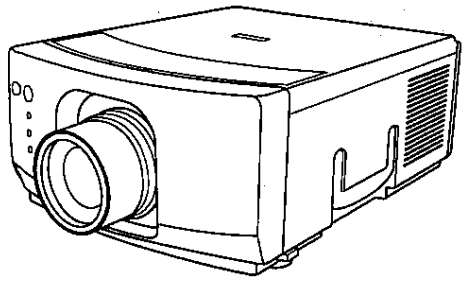
# SERVICE MANUAL
# SHARP SERVICE-ANLEITUNG

SZ7K1XG-XV1EA



## PAL/SECAM/NTSC SYSTEM
## LCD PROJECTOR
## LCD PROJEKTOR

## MODELS
## MODELLE XG-XV1E/A

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

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SHARP CORPORATION

# Specifications

| | |
|---|---|
| Product Type | LCD Projector |
| Models | XG-XV1E/A |
| * Video system | PAL/SECAM/NTSC 3.58/NTSC 4.43 |
| Display method | LCD panel × 3, RGB optical shutter method |
| LCD panel | Panel size: 1.8″ (27.6 [H] × 36.9 [W] mm)<br>Display method: Translucent TN liquid crystal panel<br>Drive method: TFT (Thin Film Transistor) Active Matrix panel<br>No. of dots: 786,432 dots (1,024 [H] × 768 [V]) |
| Lens | 1-1.6 zoom lens, F2.7 to 3.5, f = 66 to 106 mm |
| Projection lamp | 370 W Metal halide |
| Contrast ratio | 100:1 |
| * Video input signal | BNC Connector: VIDEO, composite video, 1 Vp-p, sync negative, 75 Ω terminated<br>RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo) |
| * S-video input signal | 4-pin mini DIN connector<br>Y (luminance signal): 1 Vp-p, sync negative, 75 Ω terminated<br>C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated |
| * Video (monitor) output signal | BNC Connector: VIDEO, composite video, 1Vp-p, sync negative, 75 Ω terminated<br>RCA Connector: AUDIO, 0.5 Vrms less than 2.2 kΩ (stereo) |
| * Horizontal resolution | 520 TV lines (video input), 700 TV lines (S-video input) |
| Audio output | 3 W + 3 W (stereo) |
| Computer RGB input signal | Video Signal:<br>15-pin mini D-sub connector (RGB 1),<br>BNC connector (RGB 2): RGB separate type analog input: 0-0.7 Vp-p, positive, 75 Ω terminated<br>Stereo Minijack: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo)<br>Horizontal sync. signal: TTL level (positive/negative) or composite sync (Apple only)<br>Vertical sync. signal: Same as above |
| RS-232C input terminal | 9-pin D-sub male connector for controlling personal computer |
| Mouse input terminal (for IBM/Mac) | 9-pin D-sub female connector for wireless mouse |
| Mouse input terminal (for PC98) | 9-pin mini DIN connector for wireless mouse |
| Speaker system | 3″ (8 cm) round × 2 |
| Rated voltage | AC 200 V–240 V |
| Rated frequency | 60/50 Hz |
| Power consumption | 535 W |
| Operating temperature | +5°C to +40°C |
| Storage temperature | −20°C to +60°C |
| Cabinet | Plastic |
| I/R Carrier frequency | 40 kHz |
| Laser Pointer of Remote Control | Wave length : 670 nm<br>Max. output : 1 mW<br>Class II Laser Product |
| Dimensions (W × D × H) | 359 × 585 × 208 mm projector only<br>444 × 585 × 208 mm incl. terminal cover |
| Weight | 17.0 kg projector only |
| Supplied accessories | Remote control unit, Four AA batteries, Extra air filter, RGB signal cable (3 m), Macintosh adaptor, Two BNC/RCA adaptors, Mouse control cable for IBM PS/2 (15 cm), Mouse control cable for Mac (15 cm), Mouse control cable (3 m), AC cord, Terminal cover, Inverting labels, Lens cover (installed) |
| Replacement parts | Remote control (RRMCG1393CESA), Air filter (PFILD0058CEZZ), RGB signal cable (QCNW-4910CEZZ), Macintosh adaptor (QPLGJ1512CEZZ), Mouse control cable for IBM PS/2 (QCNW-4754CEZZ), Mouse control cable for Mac (QCNW-4755CEZZ), Mouse control cable (QCNW-4620CEZZ), AC cord |

**Note:** * (for XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)

Our projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 786,432 pixels ( × RGB) TFTs (Thin Film Transistors).
As with any high technology electronic equipment such as large screen TVs, video systems and/or video cameras, there are certain acceptable tolerances that the equipment must conform to. This unit has some inactive TFTs within acceptable tolerances, which may result in illuminated or inactive dots on the picture screen.
This will not affect the picture quality or the life expectancy of the unit.

*Specifications are subject to change without notice.*

# NOTE TO SERVICE PERSONNEL

## UV-RADIATION PRECAUTION

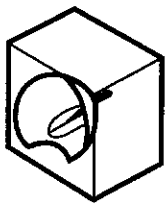
**The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.**

### AVOID DIRECT EYE AND SKIN EXPOSURE.

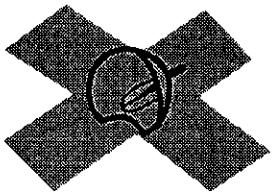
**To ensure safety please adhere to the following:**

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.

2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



## UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0046DE05 rated 63V/370W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

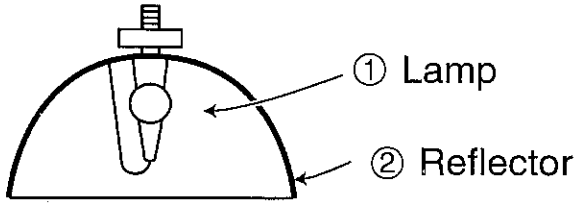
## ■ Lamp Replacement

**Note:**

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)

Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

[Use original replacement only.]




**DANGER !** — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

**Note:** Please obtain a lens cap before servicing a models XG-XV1E/A that is received without one.

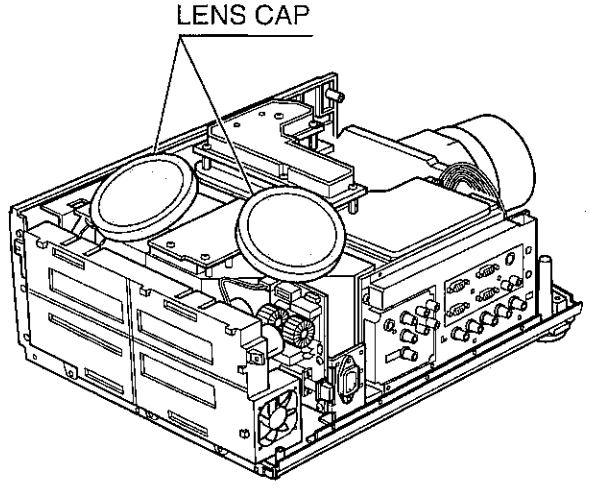
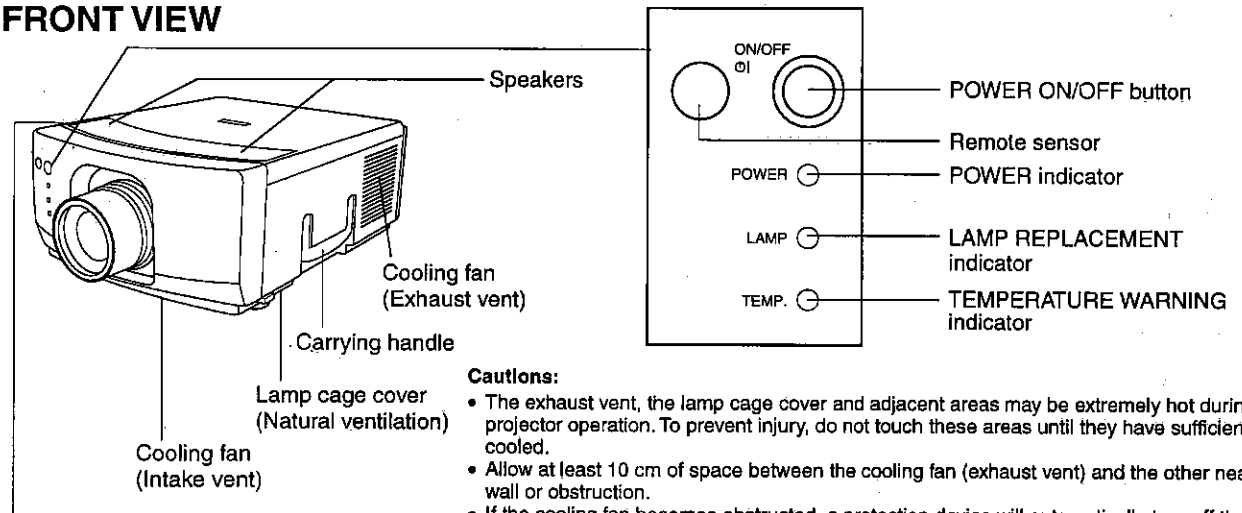



**Figure 1.**

# Location of Controls

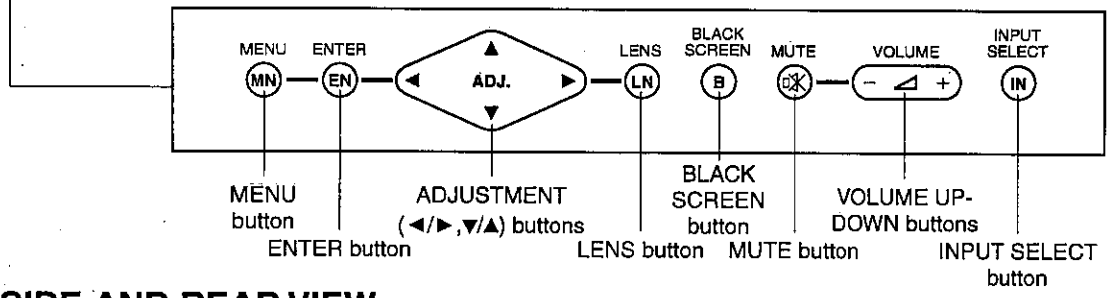
## FRONT VIEW



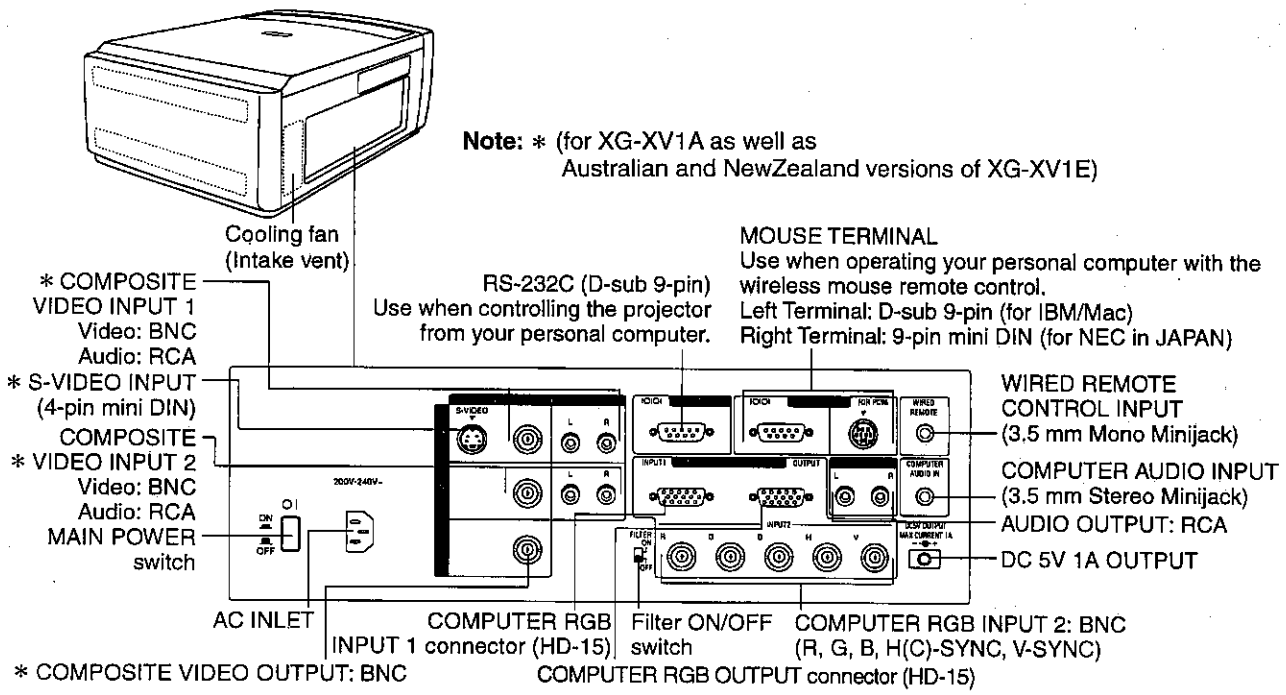

**Cautions:**

- The exhaust vent, the lamp cage cover and adjacent areas may be extremely hot during projector operation. To prevent injury, do not touch these areas until they have sufficiently cooled.
- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the other nearest wall or obstruction.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

## OPERATION PANEL ON SIDE OF PROJECTOR




## SIDE AND REAR VIEW


Cooling fan (Intake vent)
Note: * (for XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)
MOUSE TERMINAL
Use when operating your personal computer with the wireless mouse remote control.
Left Terminal: D-sub 9-pin (for IBM/Mac)
Right Terminal: 9-pin mini DIN (for NEC in JAPAN)
* COMPOSITE VIDEO INPUT 1
Video: BNC
Audio: RCA
RS-232C (D-sub 9-pin)
Use when controlling the projector from your personal computer.
* S-VIDEO INPUT (4-pin mini DIN)
COMPOSITE * VIDEO INPUT 2
Video: BNC
Audio: RCA
MAIN POWER switch
WIRED REMOTE CONTROL INPUT
(3.5 mm Mono Minijack)
COMPUTER AUDIO INPUT
(3.5 mm Stereo Minijack)
AUDIO OUTPUT: RCA
DC 5V 1A OUTPUT
AC INLET
COMPUTER RGB INPUT 1 connector (HD-15)
Filter ON/OFF switch
COMPUTER RGB INPUT 2: BNC
(R, G, B, H(C)-SYNC, V-SYNC)
* COMPOSITE VIDEO OUTPUT: BNC
COMPUTER RGB OUTPUT connector (HD-15)

**Notes:**

- The DC 5V OUTPUT jack cannot supply a current of more than 1A.
- When connecting a Macintosh Series computer that outputs C-SYNC, connect the cable to the COMPUTER RGB 2 INPUT H-SYNC input terminal.

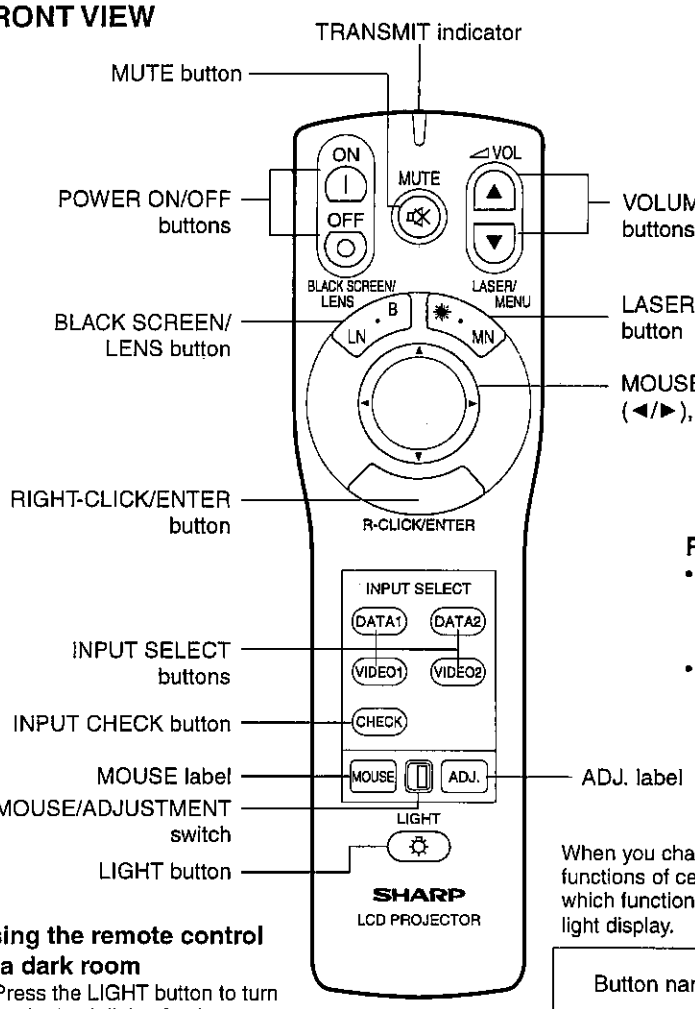
# Operating the Wireless Mouse Remote Control

The functions of your personal computer's mouse have been built into the remote control enabling you to operate your projector and personal computer with only the remote control.

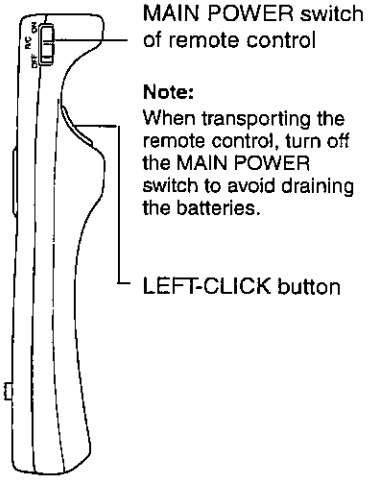
1. Slide the MAIN POWER switch on the side of the unit on.
2. Press the POWER ON button on the front panel of the remote control to turn the projector power on.
3. When using the remote control as a wireless mouse, move the MOUSE/ADJUSTMENT sliding switch to the MOUSE position. When using the remote control to operate the projector, move the MOUSE/ADJUSTMENT sliding switch to the ADJ. position. To activate the remote control key back-light feature, press the LIGHT button on the remote control. The colours of the buttons will change as shown in the table at the bottom of this page.

## Wireless Mouse Remote Control

### FRONT VIEW




### SIDE VIEW


MAIN POWER switch of remote control
Note:
When transporting the remote control, turn off the MAIN POWER switch to avoid draining the batteries.
LEFT-CLICK button

### Remote control handling precautions

- The laser beam used in this product is harmless when directed onto the skin, however please be careful not to project the beam directly into the eyes. Do not stare into the beam using an optical instrument.
- Do not expose the remote control to shocks, liquids or high humidity.
  The remote control may not operate normally if exposed to direct sunlight or other intense light sources. Should this happen, reposition the light source or the LCD Projector.

### Using the remote control in a dark room

- Press the LIGHT button to turn on the back-lights for the operation buttons for about 5 seconds. The back-light colours are explained in the table to the right.

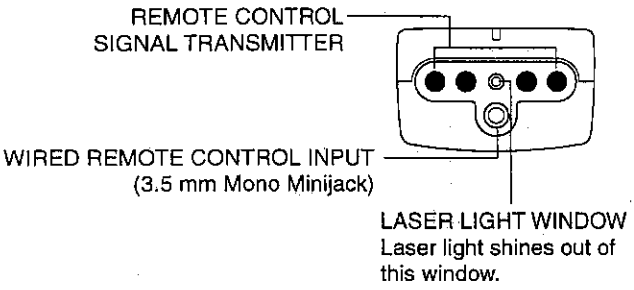
**Note:**

- If the MAIN POWER switch on the remote control is left on for more than 10 minutes without operation, the power will automatically turn off. To turn the power back on, press any button on the remote control for at least one second.

When you change the setting of the MOUSE/ADJUSTMENT switch, the functions of certain buttons on the remote control change. You can tell which function the button currently possesses by the colour of its back-light display.

| Button name | Position of MOUSE/ADJUSTMENT switch | |
|---|---|---|
| | MOUSE | ADJ. |
| LASER POINTER/MENU | LASER POINTER (GREEN) | MENU (RED) |
| RIGHT-CLICK/ENTER | RIGHT-CLICK (GREEN) | ENTER (RED) |
| MOUSE/ADJUSTMENT | MOUSE (NOT LIT) | ADJ. ◄/►, ▼/▲ (NOT LIT) |
| LEFT-CLICK | ON (NOT LIT) | — |
| BLACK SCREEN/LENS | BLACK SCREEN (GREEN) | LENS (RED) |
| POWER ON/OFF | ON (RED) | |
| VOLUME UP-DOWN | | |
| MUTE | | |
| VIDEO 1 | | |
| VIDEO 2 | | |
| DATA 1 | | |
| DATA 2 | | |
| INPUT CHECK | | |

## TOP VIEW

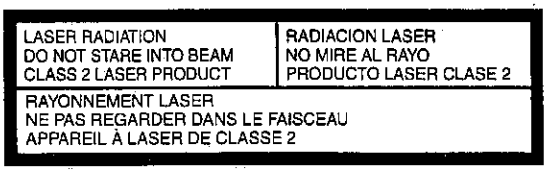



**Using the optional cable with the remote control**

- When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect the optional cable from the Wired Remote Control Input jack on the remote control to the Wired Remote Input on the side of the projector.

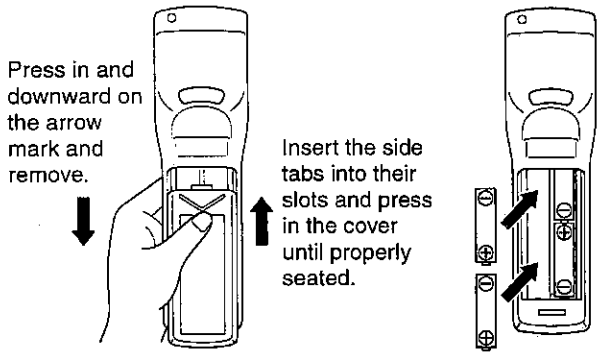
**Note:**

- The signal transmitter does not function when the optional cable is connected to the remote control.



The laser pointer on the remote control emits a laser beam from the laser light window shown in the figure to the left. The laser emitted is a class II laser; therefore, do not look into the laser window or shine the laser beam on yourself or other people. The two marks to the left are the caution labels for the laser beam.
Always use the laser pointer at temperatures between +5°C and +40°C.

## REAR VIEW


Press in and downward on the arrow mark and remove.
Insert the side tabs into their slots and press in the cover until properly seated.

## Inserting the Batteries

Remove the battery cover as shown and insert four AA size batteries making sure their polarities match the (+) and (–) marks inside the battery compartment.

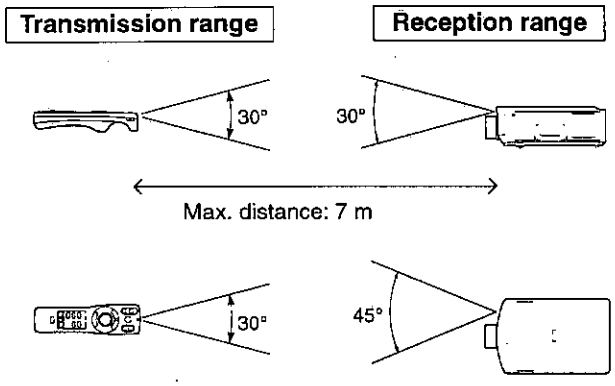
**Notes:**

Incorrect use of batteries may cause them to leak or burst.

- Insert the batteries with the (+) and (–) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in a clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. If so, replace them with new batteries as soon as possible.

## Remote control positioning

Use the remote control as shown in the figures on the left.

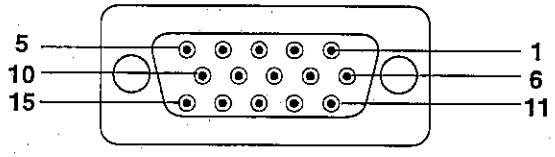



**Note:**

- The signal from the remote control can be reflected off the screen for easy operation. However, the effective distance of the signal may differ due to the screen material.

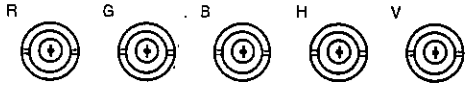
# Connection Pin Assignmetns

## Analog RGB 1 Signal Input and Analog RGB 1 and 2 Output Terminal : 15-pin mini D-sub female connector



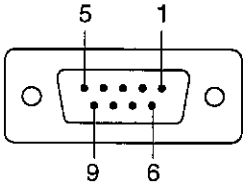

**Computer input**
Analog
1. Video input (red)
2. Video input (green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync (Mac only)
6. Earth (red)
7. Earth (green)
8. Earth (blue)
9. Not connected
10. GND
11. GND
12. Reserve input 2
13. Horizontal sync signal
14. Vertical sync signal
15. Reserve input 3

## Analog RGB 2 Signal Input : 5 BNC



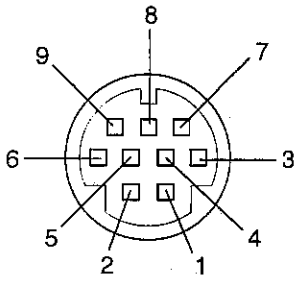

**Computer Input**
Analog
R Video input (red)
G Video input (green)
B Video input (blue)
H Horizontal sync signal, Mac C-sync signal
V Vertical sync signal

## Mouse Input Terminal (for IBM/Mac) : 9-pin D-sub female connector



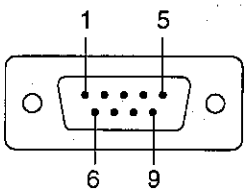

| Pin No. | Signal | Name | I/O | Reference |
|---|---|---|---|---|
| 1 | CD | Carrier Detect | Input | Connected to internal circuit |
| 2 | RD | Receive Data | Input | Connected to internal circuit |
| 3 | SD | Send Data | Output | Connected to internal circuit |
| 4 | ER | Equipment Ready | Output | Connected to internal circuit |
| 5 | SG | Signal Ground | | Connected to internal circuit |
| 6 | DR | Data Set Ready | Output | Not connected |
| 7 | RS | Request to Send | Output | Connected to internal circuit |
| 8 | CS | Clear to Send | Input | Connected to internal circuit |
| 9 | CI | Ring Indicator | Input | Connected to internal circuit |

## Mouse Input Terminal (for NEC PC98 series for Japan) : 9-pin mini DIN connector



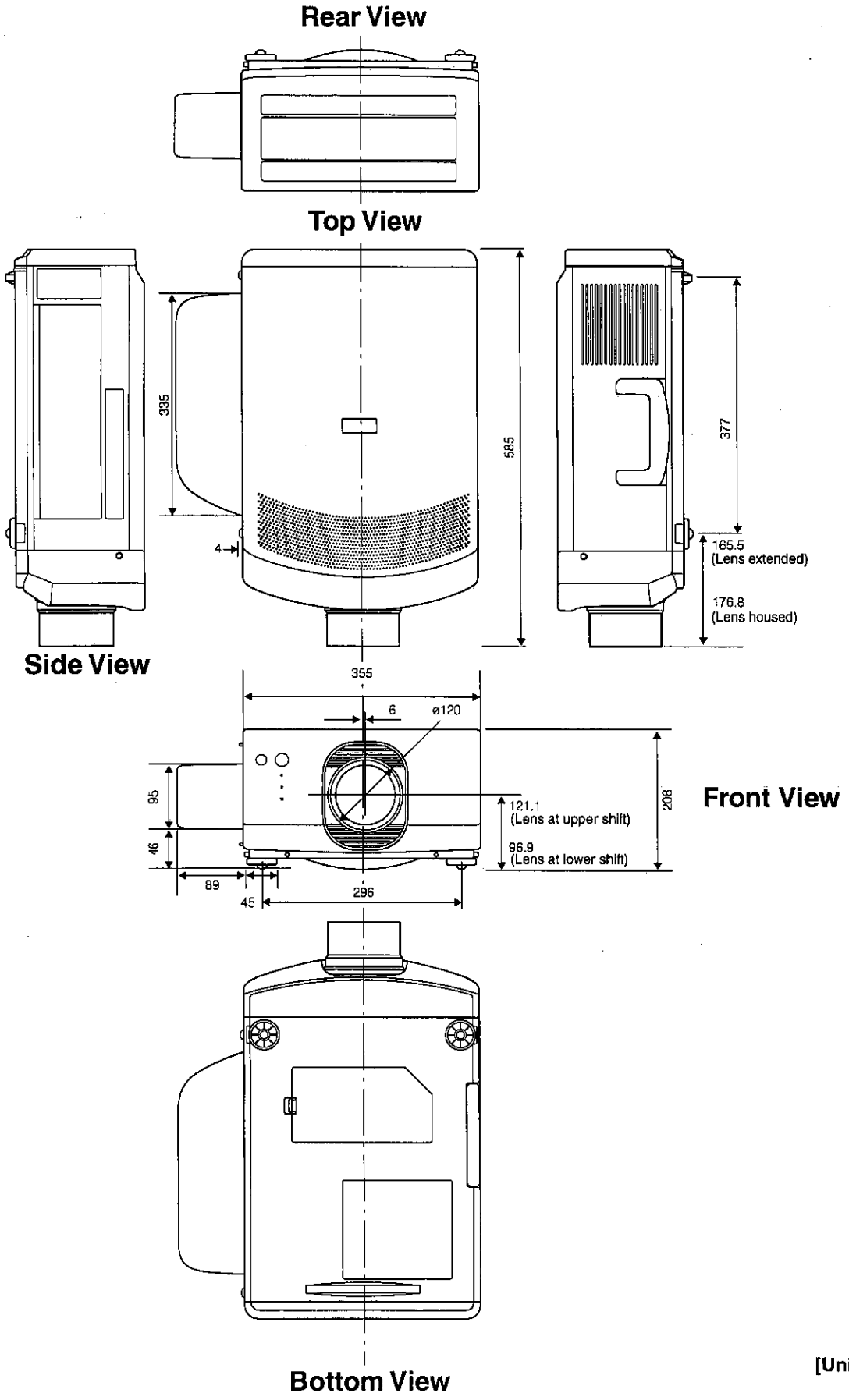

| Pin No. | Signal | I/O | Reference |
|---|---|---|---|
| 1 | +5V | Input | Computer output |
| 2 | XA | Input | Computer output |
| 3 | XB | Input | Computer output |
| 4 | YA | Input | Computer output |
| 5 | YB | Input | Computer output |
| 6 | LEFT | Input | Computer output |
| 7 | NC | Input | Not connected |
| 8 | RIGHT | Input | Computer output |
| 9 | GND | | Computer output |

## RS-232C terminal : 9-pin D-sub male connector




| Pin No. | Signal | Name | I/O | Reference |
|---|---|---|---|---|
| 1 | CD | | | Not connected |
| 2 | RD | Receive Data | Input | Connected to internal circuit |
| 3 | SD | Send Data | Output | Connected to internal circuit |
| 4 | ER | | | Not connected |
| 5 | SG | Signal Ground | | Connected to internal circuit |
| 6 | DR | Data Set Ready | Output | Not connected |
| 7 | RS | Request to Send | Output | Connected to internal circuit |
| 8 | CS | | | Not connected |
| 9 | CI | | | Not connected |

# Dimensions




[Units: mm]

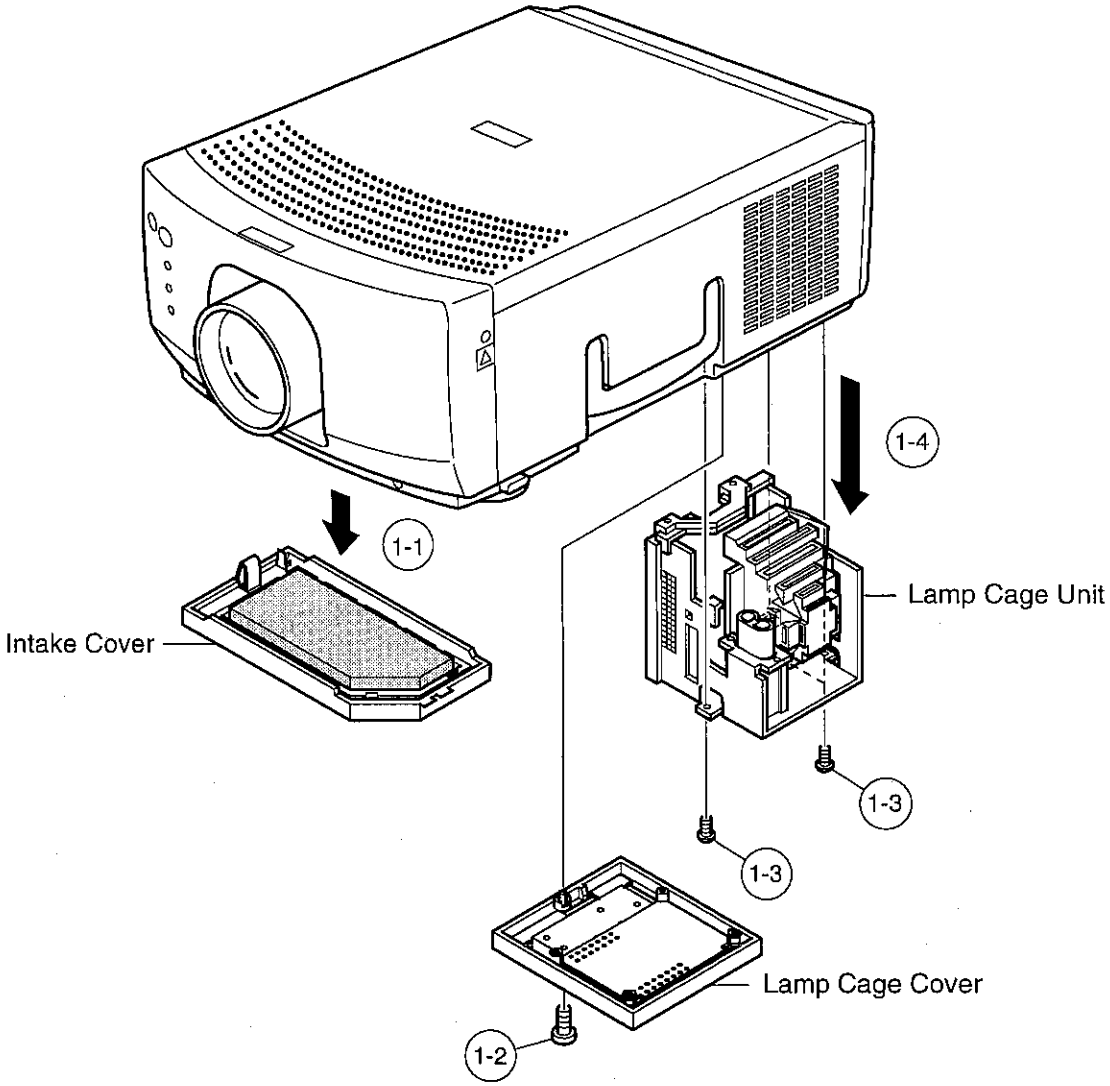
# REMOVING OF MAJOR PARTS

## 1. Removing the Lamp cage unit and Intake cover

1-1. Remove the intake cover.
1-2. Remove the screws and detach the lamp cage cover.
1-3. Remove the three screws off the lamp cage unit.
1-4. Pull out the lamp cage unit.

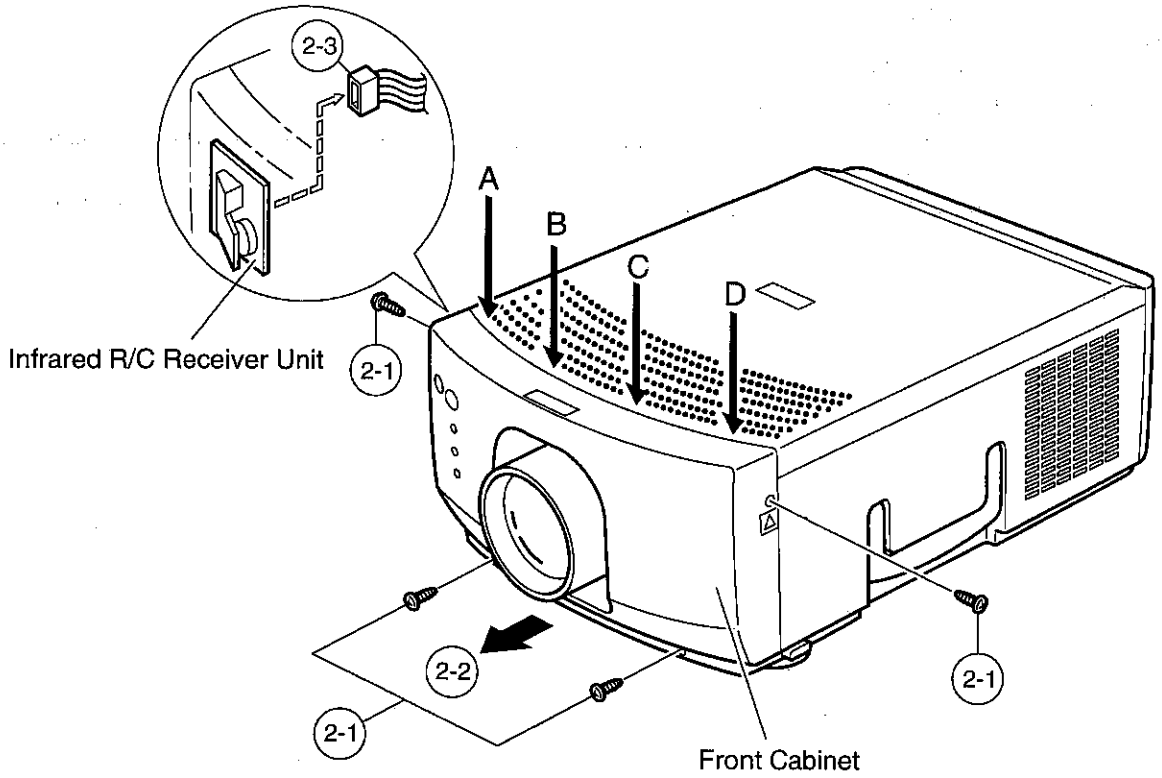
**Notes:**

- Before the replacement, turn off the projector's power button, make sure the cooling fan comes to a complete stop, and unplug the power cord.
- The lamp may be still very hot. Turn off the power button, unplug the power cord and wait for at least 1 hour before staring the job.
- In fitting the lamp cage unit back into position, make sure the connector is at the top position.



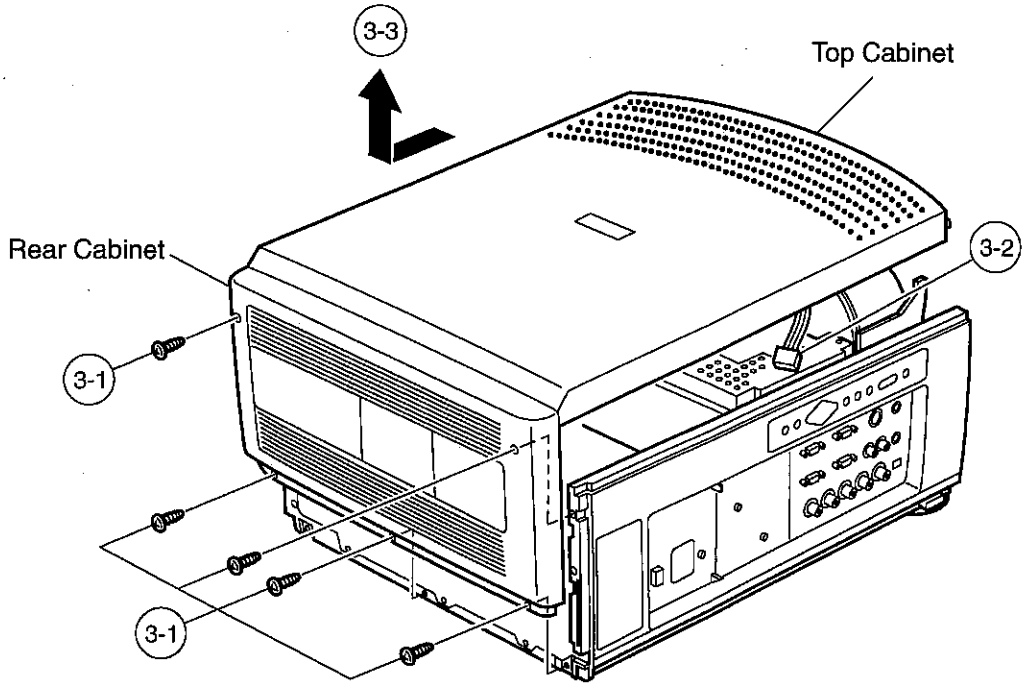
## 2. Removing the front cabinet

2-1. Remove the four right and left screws from the bottom of the front cabinet.
2-2. Gently press down on the hooks A, B, C and D of the top cabinet to unhook the front cabinet. Detach the front cabinet.
2-3. Disconnect the remote control connector.



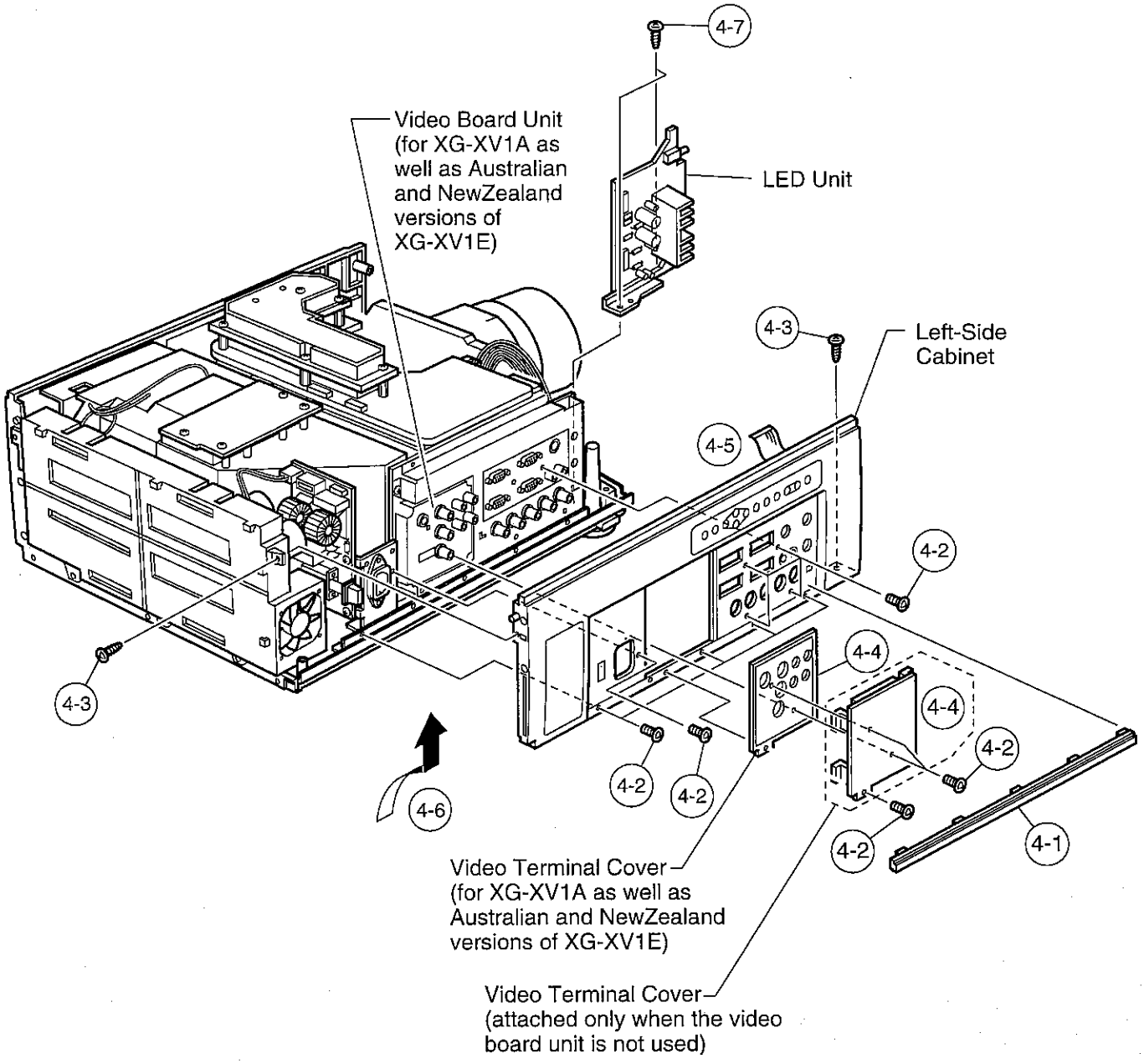

## 3. Removing the top and rear cabinets

3-1. Remove the five screws from the top and bottom of the rear cabinet.
3-2. Disconnect the speaker connector.
3-3. Slide back the top cabinet to separate the top and rear cabinets.



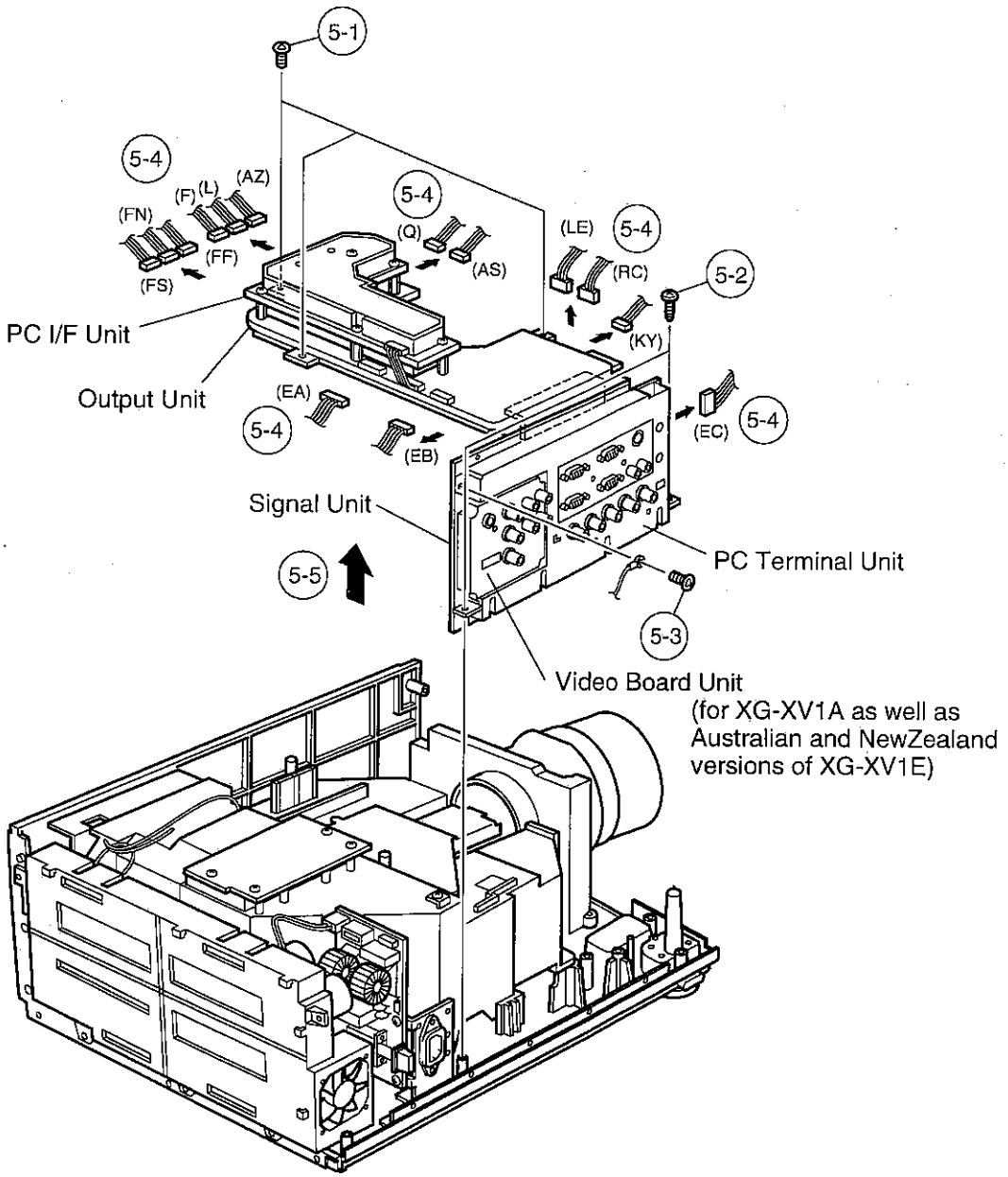
## 4. Removing the left side cabinet

4-1. Put a bladed screwdriver in the rightmost hole of the screws cover. Pull and unlock the right end of the screws cover, and pull and detach the entire screws cover.
4-2. Remove the twelve side screws.
4-3. Remove the two screws off the side cabinet.
4-4. Disconnect the video terminal cover.
4-5. Disconnect the membrane switch connector.
4-6. Pull down and detach the left side cabinet.
4-7. Remove the two screws off the LED PWB assembly.



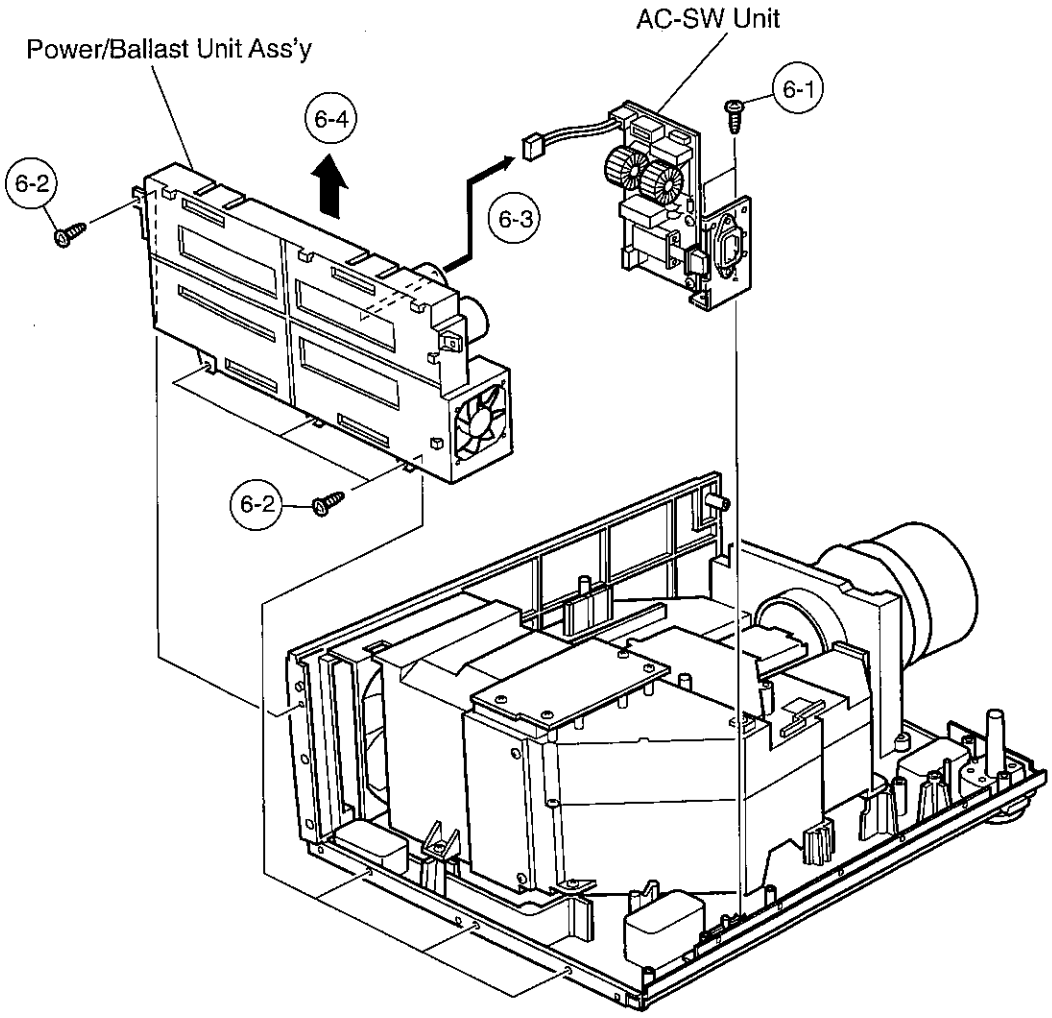
## 5. Disconnecting the signal and output PWBs

5-1. Remove the three screws off the optical mechanism assembly.
5-2. Remove the two screws off the bottom cabinet.
5-3. Remove the screw off the signal PWB assembly.
5-4. Disconnect the connectors of the signal PWB and output PWB assemblies.
5-5. Take up and away the PWB assemblies.



## 6. Removing the power supply and ballast PWBs

6-1. Remove the two screws off the AC-SW Unit on the bottom cabinet.
6-2. Remove the four screws off the power/ballast holder (located behind).
6-3. Disconnect the connectors.
6-4. Take up and away the PWBs.

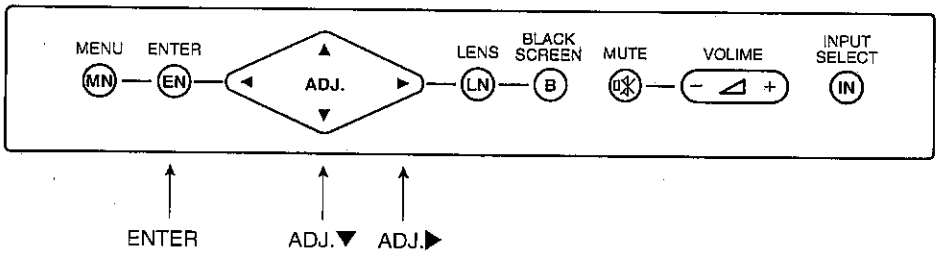


# RESETTING THE LAMP OPERATING HOUR COUNTER

**The unit is designed to keep its power off when the lamp has been used for 1900 and 2000 hours. This is to protect the lamp fixture. Replace the lamp with new one and take the following resetting procedure.**

## Resetting the lamp operating hour counter

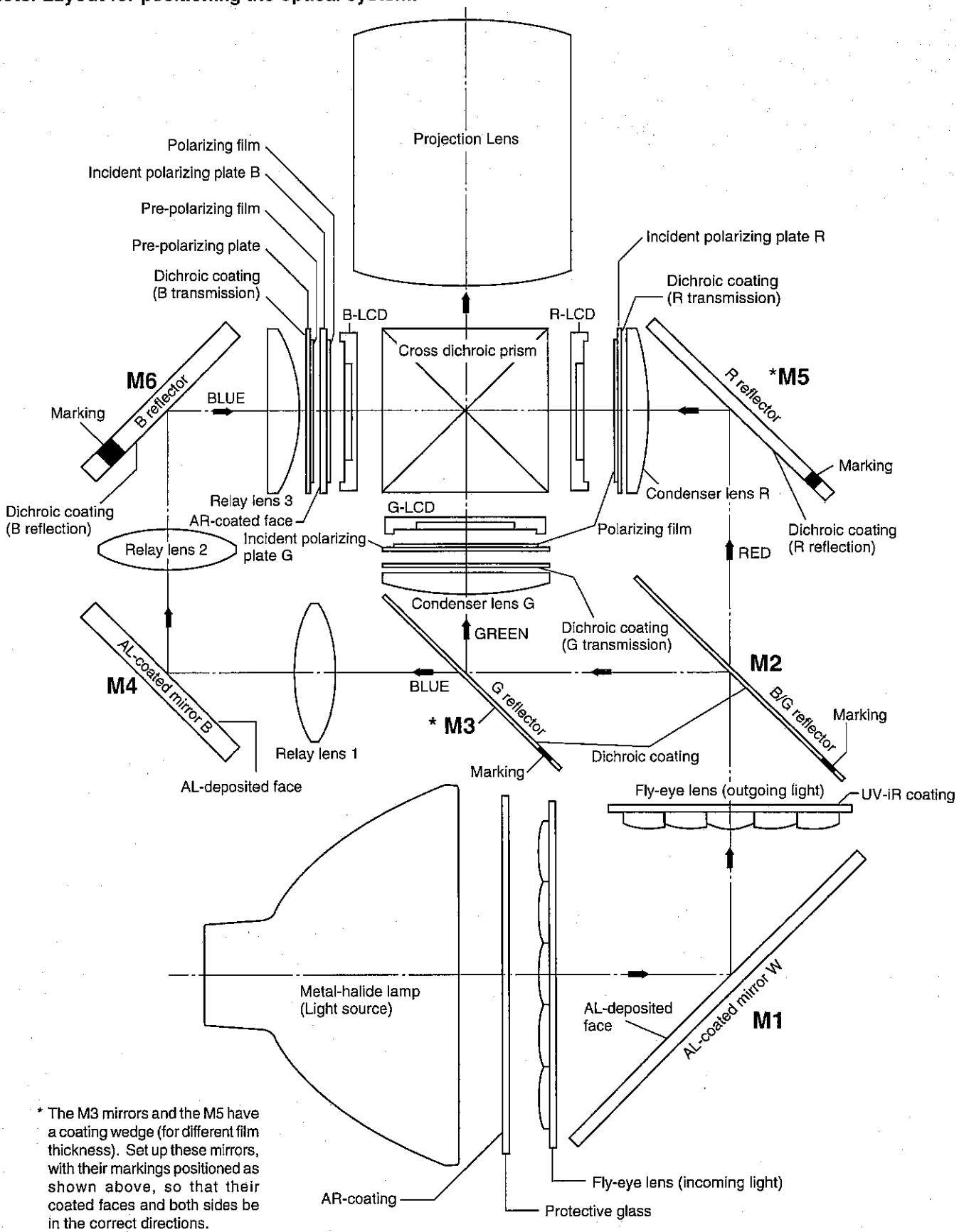
1. Hold down the "ENTER", "ADJ.▼" and "ADJ.▶" buttons on the unit, and turn on the main power switch (located above the AC inlet).
2. Now the unit is turned on and the lamp operating hour counter is reset to zero. "000H" appears on the screen.



# THE OPTICAL UNIT OUTLINE

## Layout of the optical system

**Note: Layout for positioning the optical system.**




* The M3 mirrors and the M5 have a coating wedge (for different film thickness). Set up these mirrors, with their markings positioned as shown above, so that their coated faces and both sides be in the correct directions.

# CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the top cabinet and the signal shield removed but the power on. Use the remote control to adjust the image. Take the following procedures.**

## 1. Focusing the projection lens

### (A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the panels with new ones. But until the focus has been completely readjusted, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.

( If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE, for example) may get out of the focus range, or a long-distance image (300 WIDE, for example) may come out of focus. )

### (B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   (If the distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.)

## 2. Adjusting the G-LCD panel

### (A) Focus adjustment. (Make this adjustment on the white-only screen.)

1. Right-and-left focus adjustment (θY direction) .
   Loosen the lock screws "b" and "c" and insert the eccentric screwdriver into the notch and hole "b" or "c". Turn the screwdriver until the right and left halves on the screen get into focus.
   ( First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below. )
2. Top-center-bottom focus adjustment (θX and Z directions).
   Loosen the lock screws "a" and "c" and insert the eccentric screwdriver into the notch and hole "a" and "c". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, temporarily tighten the lock screw "b" to fix the θY direction adjustment.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

**Notes :**

① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

### (B) Convergence adjustment

- The G-LCD panel has no convergence adjustment mechanism. Use this panel as convergence adjustment reference.

## 3. B-LCD panel adjustment (the same for the R-LCD panel)

### (A) Focus adjustment

- Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is small in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

### (B) Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
  Make the adjustment just for the G-colour and the relevant colour.
  (1) Loosen the convergence lock screw "d".
  (2) With the G-LCD panel's screen center as reference, adjust the B-LCD panel in the X, Y and θZ directions.
  (3) Finally tighten up the convergence lock screw "d".

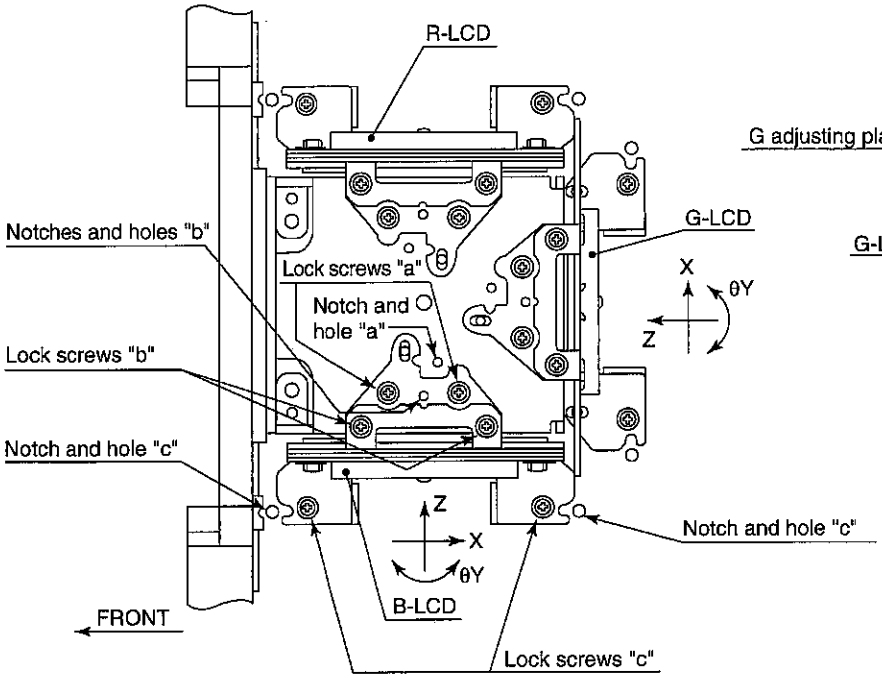
**Notes :**

① The eccentric cam is used for convergence adjustment. This means that the cam's turning and the linear movement are not always uniform.

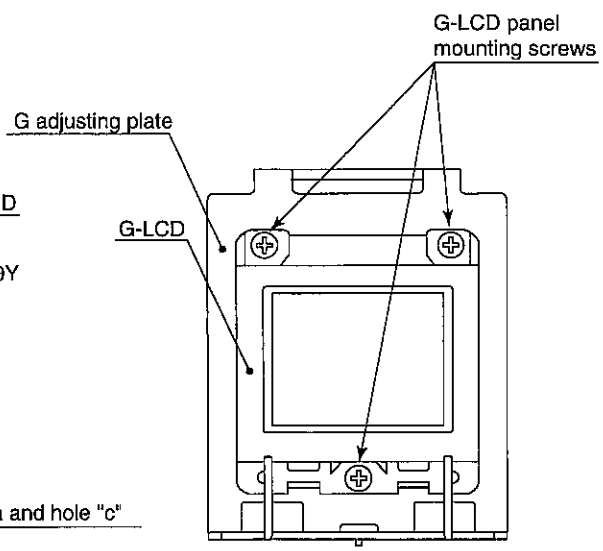
② This model is not equipped with the LCD image adjustment mechanism. This is because the dichroic prism is used for image formation. When the LCD panels all get into the best focus, the images are almost completely converged.

## Convergence and Focus Adjustments Mechanism

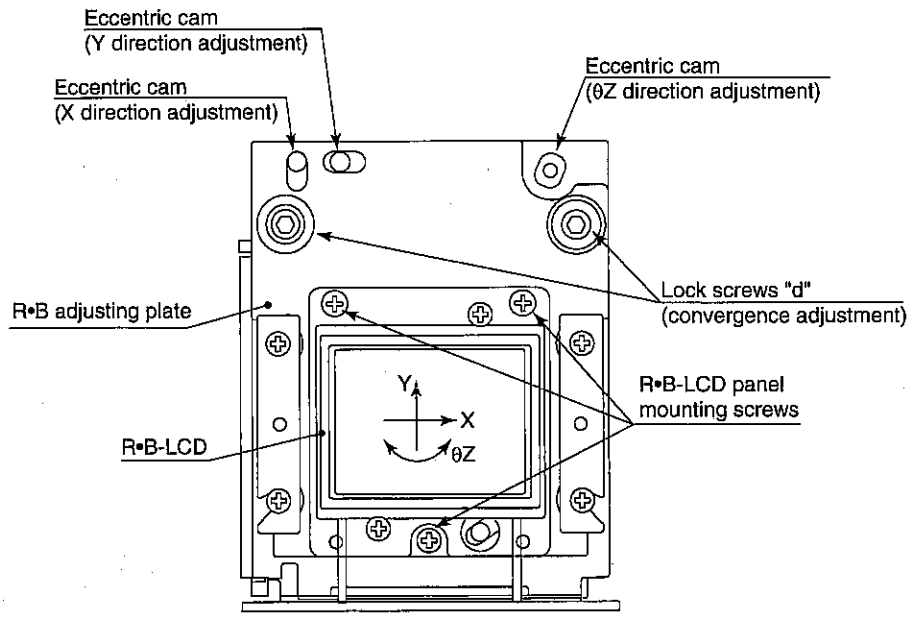
**TOP VIEW**




**SIDE VIEW**




**SIDE VIEW**



# Convergence and Focus Adjustments at a Glance

## Adjustment directions

| Adjustment | Direction | Definition | Direction of LCD panel |
|---|---|---|---|
| Convergence | X direction | | LCD right and left |
| | Y direction | | LCD top and bottom |
| | θZ direction | Rotation around Z axis | LCD turning axis |
| Focus | Z direction | | LCD optical axis |
| | θX direction | Rotation around X axis | LCD top-to-bottom flapping |
| | θY direction | Rotation around Y axis | LCD right-to-left flapping |

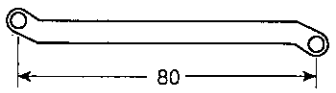
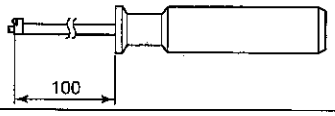
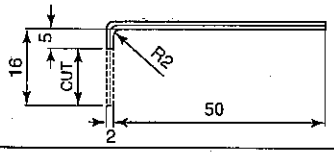
## Convergence and Focus Adjustment for the XG-XV1E/A Optical Mechanism

| Colour | Adjustment | Direction | Movement | Position | Adjusting tool | Lock screw | Tightening tool |
|---|---|---|---|---|---|---|---|
| R/B colours | Convergence | X direction | ±1mm | Eccentric cam | Eccentric cam adjusting wrench | d | Hex wrench |
| | | Y direction | ±1mm | Eccentric cam | Eccentric cam adjusting wrench | d | Hex wrench |
| | | θZ direction | ±2° | Eccentric cam | Eccentric cam adjusting wrench | d | Hex wrench |
| | Focus | Z direction | ±1.65mm | Notch and hole "a" & "c" | Eccentric screwdriver, | a, c | Phillips screwdriver |
| | | θX direction | ±2° | Notch and hole "a" & "c" | | a, c | |
| | | θY direction | ±2° | Notch and hole "b" & "c" | | b, c | |
| G colour | Focus | Z direction | ±0.5mm | Same as for R and B colours | | | |
| | | θX direction | ±2° | | | | |
| | | θY direction | ±2° | | | | |

## Focus Adjustments the Other Way

| Lock screw | Position | Related direction |
|---|---|---|
| a | Notch and hole "a" | Z and θX directions |
| b | Notch and hole "b" | θY direction |
| c | Notch and hole "c" | Z, θX and θY directions |

## Convergence and Focus Adjusting and Tightening Tools

| Tool | Specific or General | Tool code | Configuration |
|---|---|---|---|
| Eccentric cam adjusting wrench | Specific | 9DASPN-XGNV1U |   |
| Eccentric screwdriver | Specific | 9EQDRiVER-NV1A |   |
| Hex wrench | General (redesigned) | 9EQLNC-XGNV1U |   |
| Phillips screwdriver | General | — | For M2.6 pan-head machine screw |

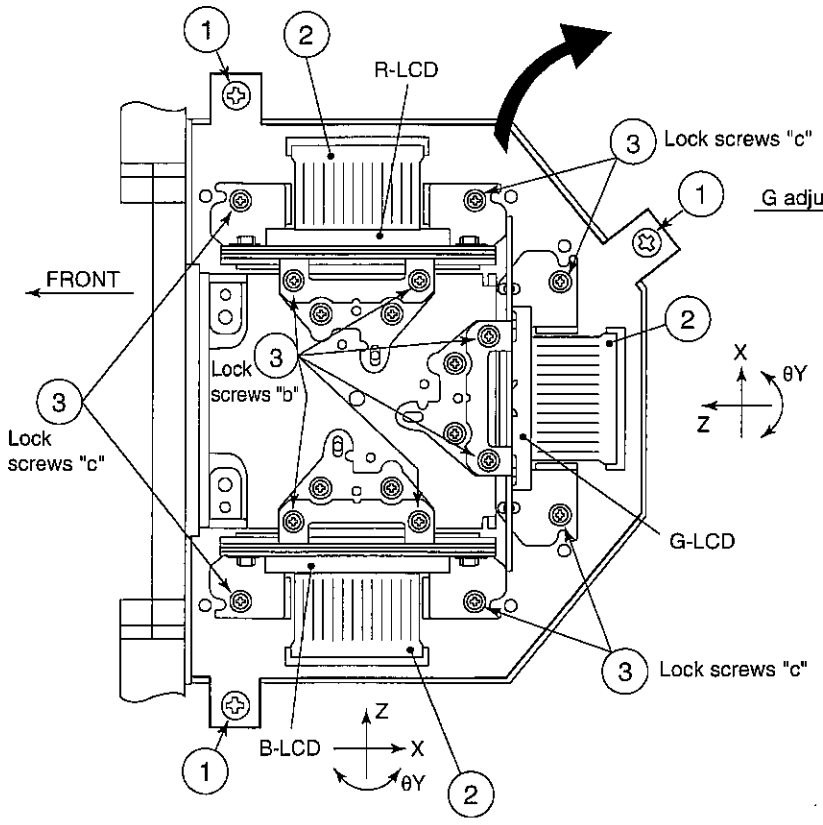
## Replacing the LCDs

**With the top cabinet removed**

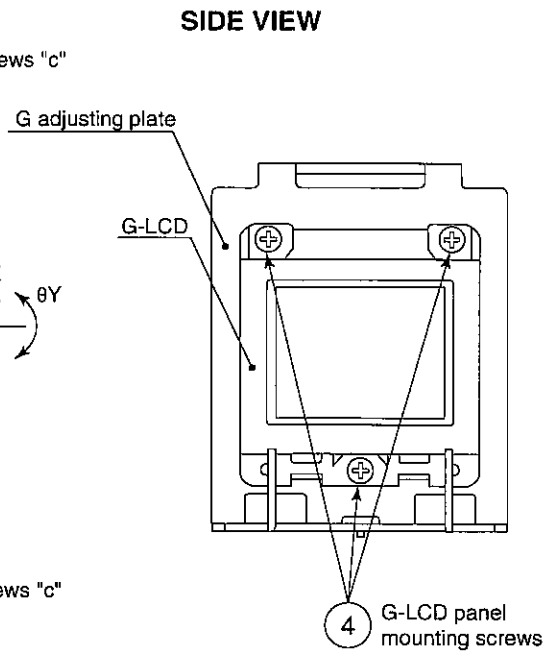
(1) Remove three screws off the output shield.
(2) Disconnect the LCD flat cable from the output PWB connector.
(3) Remove the lock screws "b" and "c". Detach the R/B adjusting plate or the G adjusting plate together with the LCD panel.
(4) Separate the LCD panel from the adjusting plate.
(5) Mount a new LCD panel in the reverse order of the above steps (1), (2), (3) and (4).

* Readjust the convergence and focus. Note that the G LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.

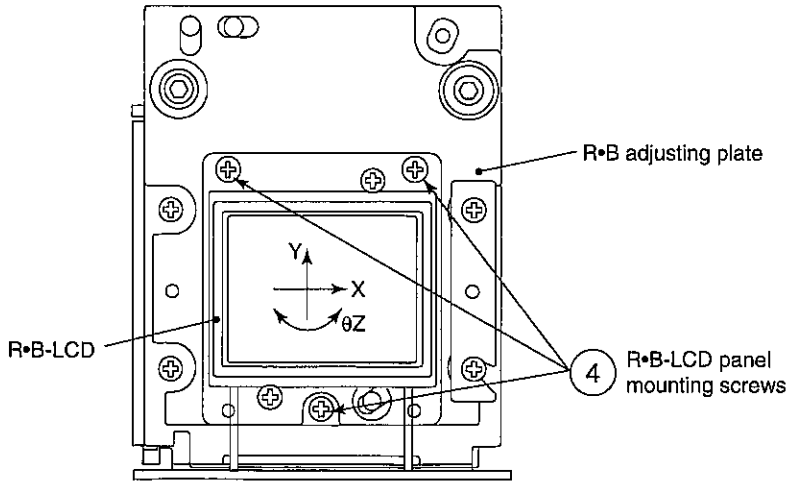
**TOP VIEW**




**SIDE VIEW**



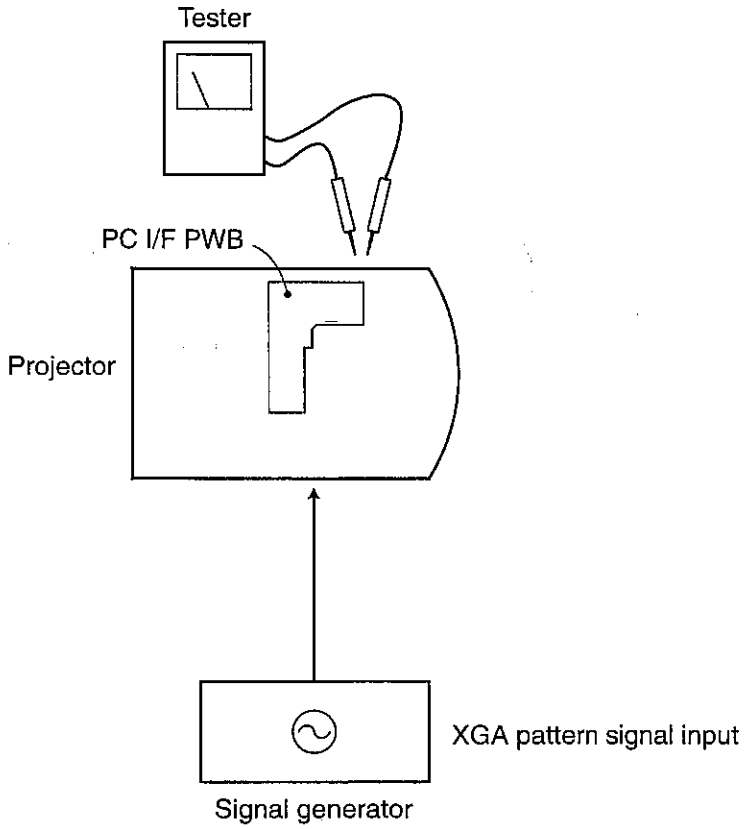

**SIDE VIEW**



# VOLTAGE MEASUREMENT

## Measuring procedure: PC I/F Unit (CPCi-0023CE01)

1. Feed the XGA pattern signal from the signal generator.
2. Using the tester, measure the voltage at each test point on the PC I/F PWB.

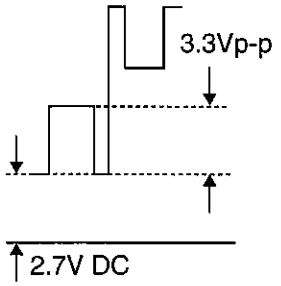
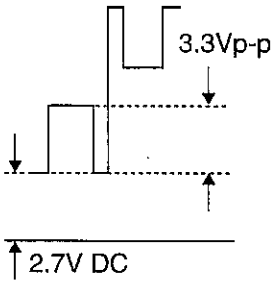


# ELECTRICAL ADJUSTMENT

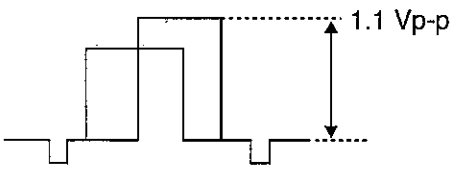
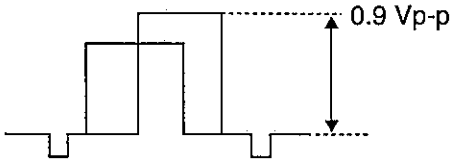
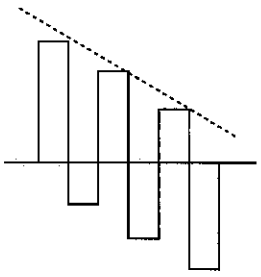
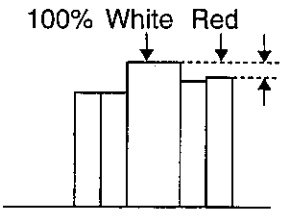
**Hook up a signal generator, or a DOSV or Mac personal computer to the projector in order to feed the signals specified in the Adjusting conditions.**

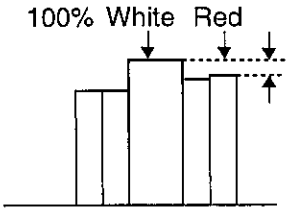
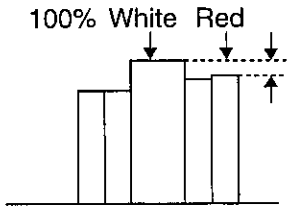
**Note :** All the adjusted data will be cleared by making the "FACTORY SETTING 1" or "FACTORY SETTING 2". Before using the previous data for adjustment, write down the modified data on a notepad or the like and then make the initialsettings.

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 1 | **EEPROM in initialization (Note)** | 1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes. | • Make the following settings:<br>Press S5001 to call up the process mode and execute S2 in the SSS menu. Now the system, with the PC board not included, is initialized. In order to make the PC board adjustments (Nos. 2, 3 and 4), execute S1. If not making those PC board adjustments, do not execute S1. |
| 2 | **PC board brightness adjustment** | 1. Feed the XGA black signal.<br>2. Connect the oscilloscope to TP2.<br>3. Make the following choice:<br>Group : OUTPUT 2<br>Subject : BRIGHT<br>4. Press the sound mute key to cancel the colour bar test pattern that is automatically outputted. | • Adjust the signal's black level to 1.7 V DC and add 10 points to then adjusted value. |
| 3 | **PC board AD converter reference voltage adjustment** | 1. Group : A/D<br>Subject : ROS,<br>GOS,<br>BOS. | • Adjust the positive-pole voltage of C64 to 1.7 V DC.<br>• Similarly, adjust the positive-pole voltages of C57 and C50 in the subjects GOS and BOS, respectively. |
| 4 | **PC board drive adjustment** | 1. Group : A/D<br>Subject : Set GAIN value at 163.<br>2. Feed the XGA and gray scale signal.<br>3. Connect the oscilloscope to TP1.<br>4. Make the following choice:<br>Group : A/D<br>Subject : R-D | • Make adjustment so that the white peak level of the signal becomes 3.6 V DC. At this time, make sure that the waveform is not deformed at both the black side and white side.<br>• Similarly, make adjustment for TP2 and TP3 in the subjects G-D and f B-D, respectively. |

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 5 | **RGB 1 system black level signal amplitude** | 1. Make the following choice:<br>Group : OUTPUT 1<br>Subject : R1-BLK<br>R1-GAIN<br>(The colour bar test pattern is outputted automatically.)<br>For green, choose the subjects G1-BLK and G1-GAIN.<br>For black, choose the subjects B1-BLK and B1-GAIN.<br>2. Connect the oscilloscope to pin (5)(TP1101) of SC1101 for red.<br>Pin (5)(TP1201) of SC1201 for green<br>Pin (5)(TP1301) of SC1301 for blue | • Choose the subject R1-BLK and adjust the black peak level to 2.7 ±0.1V DC using the membrane switch or the remote control button.<br>• Next, choose the subject R1-GAIN and adjust the signal amplitude to 3.3 ±0.1 Vp-p.<br>• Make the same adjustment for green and blue.<br>  |
| 6 | **RGB 2 system black level signal amplitude** | 1. Make the following choice:<br>Group : OUTPUT 2<br>Subject : R2-BLK(R),<br>R2-GAIN<br>For green, choose the subjects G2-BLK and G2-GAIN.<br>For black, choose the subjects B2-BLK and B2-GAIN.<br>2. Connect the oscilloscope to pin (6)(TP1102) of SC1101 for red.<br>Pin (6)(TP1202) of SC1201 for green<br>Pin (6)(TP1302) of SC1301 for blue | • Choose the subject R2-BLK and adjust the black peak level to 2.7 ±0.1V DC using the membrane switch or the remote control button.<br>• Next, choose the subject R2-GAIN and adjust the signal amplitude to 3.3 ±0.1 Vp-p.<br>  <br>• Make the same adjustment for green and blue.<br>• Feed the XGA gradation pattern single-colour signal and make sure that there is no difference in brightness between adjacent vertical lines. If there is a difference, make fine adjustment by choosing the following subjects.<br>R2-GAIN for red<br>G2-GAIN for green<br>B2-GAIN for blue. |
| 7 | **Sample-and-hold pulse phase** | 1. Feed the SXGA mode black signal.<br>2. Make the following choice:<br>Group : OUTPUT 3<br>Subject : SH-PHASE | • Using the membrane switch or the remote control button, make such adjustment that the characters on the adjustment menu are least blurry or overlapped. (Make adjustment at the moment when the group name "OUTPUT3" appears and the subject name "SH-PHASE" is not yet indicated.) |

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 8 | **RGB counter-voltage adjustment** | 1. Feed the black-and-red (25%) stripe signal (XGA). If such a pattern signal is not available, select the horizontal stripe signal from the desktop pattern menu.<br>2. Make the following choice:<br>Group : OUTPUT 3<br>Subject : RC (R) | • Using the membrane switch or the remote control button, adjust the data in order to minimize the flicker.<br>• Make the same adjustment for BC (B) and GC (G). |
| 9 | **RGB gradation regeneration adjustment** | 1. Feed the XGA green-only gradation pattern (more than 16 steps) signal.<br>Group : OUTPUT 1<br>Subject : G1-GAIN | • Adjust the G1-GAIN data until the first and second gradations can be slightly recognized. (First gradually raise the G1-GAIN level until the gradation gets recognized, and then adjust the level by lowering it again.) |
| 10 | **RGB white balance** | 1. Feed the XGA gray scale signal.<br>Group : OUTPUT 1<br>Subject : R1-BLK<br>R1-GAIN (R)<br><br>B1-BLK<br>B1-GAIN (B) | • Choose the subjects R1-BLK and B1-BLK and adjust the black balance of the gradation. Choose the subjects R1-GAIN and B1-GAIN and adjust the gray-to-while balance (so that the entire screen looks colourless). |
| 11 | **NTSC 4fsc** | 1. Choose the group VIDEO 1 to keep the unit without signal.<br>2. Select the colour system into N358.<br>3. Connect the frequency counter between TP401 and GND. | • Turn C450 to have the frequency counter read 14.31818 MHz ±50 Hz. |
| 12 | **PAL 4fsc** | 1. Choose the group VIDEO 1 to keep the unit without signal.<br>2. Select the colour system into PAL.<br>3. Connect the frequency counter between TP401 and GND. | • Turn C446 to have the frequency counter read 17.734475 MHz ±50 Hz. |
| 13 | **Horizontal center** | 1. Feed the NTSC monoscope pattern signal.<br>Group : VIDEO 1<br>Subject : NTSC-H | • Using the membrane switch or the remote control button, adjust the data to have the same overscan. |

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 14 | **Video picture adjustment** | 1. Make the following choice:<br>Group : VIDEO 1<br>Subject : PICTURE<br>2. Connect the oscilloscope between pin (2) of P801 and GND. | • Using the membrane switch or the remote control button, adjust the black-to-white (100%) level difference to 1.1 ±0.02 Vp-p.<br>  |
| 15 | **Video AGC** | 1. Feed the NTSC split colour bar signal.<br>Group : VIDEO 1<br>Subject : AGC<br>2. Connect the oscilloscope between pin (2) of P801 and GND. | • Using the membrane switch or the remote control button, adjust the black-to-white (100%) level difference to 0.9 ±0.02 Vpp.<br>  |
| 16 | **Video brightness adjustment** | 1. Feed the NTSC black signal.<br>Group : VIDEO 1<br>Subject : BRIGHT<br>2. Press the membrane switch or the remote control's mute button (to set the gamma correction to the process setting). | • Using the membrane switch or the remote control button, decrease 2 points from the level where the black signal becomes bit-less (dotted). |
| 17 | **Tint** | 1. Feed the NTSC colour bar signal.<br>Group : VIDEO 1<br>Subject : TINT<br>2. Connect the oscilloscope to pin (5) of P801. | • Using the membrane switch or the remote control button, adjust the data to have the -(B-Y) waveform downhill straight.<br>  |
| 18 | **NTSC colour saturation level** | 1. Feed the NTSC colour bar signal.<br>Group : VIDEO 1<br>Subject : N-COLOR<br>2. Connect the oscilloscope to pin (1) of P801. | • Using the membrane switch or the remote control button, adjust the difference between the 100% white portion and the red portion to 0.1 ±0.02 Vp-p.<br>  |

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 19 | **PAL colour saturation level** | 1. Feed the PAL colour bar signal.<br>Group : VIDEO 1<br>Subject : P-COLOR<br>2. Connect the oscilloscope to pin (1) of P801. | • Using the membrane switch or the remote control button, adjust the difference between the 100% white portion and the red portion to 0.1 ±0.02 Vp-p.<br>  |
| 20 | **SECAM colour saturation level** | 1. Feed the SECAM colour bar signal.<br>Group : VIDEO 1<br>Subject : S-COLOR<br>2. Connect the oscilloscope to pin (1) of P801. | • Using the membrane switch or the remote control button, adjust the data to have a level difference of 0.1 ±0.02 Vp-p between the 100% white portion and the red portion.<br>  |
| 21 | **Video white balance** | 1. Feed the NTSC monoscope pattern signal<br>Group : VIDEO 2<br>Subject : R1-GAIN<br>B1-GAIN | • Choose the subjects R1-GAIN and B1-GAIN, and make adjustment so that the entire screen looks evenly colourless.<br>If the black side is not properly adjusted, first readjust the black side by making the following choice:<br>Group : OUTPUT 1<br>Subject : R1-BLK<br>B1-BLK<br><br>Then, make the following choice:<br>Group : VIDEO 2<br>Subject : R1-GAIN<br>B1-GAIN<br><br>Readjust the related data.<br>Since the subjects R1-BLK and B1-BLK are common for the RGB input and VIDEO input, feed the RGB signal again to adjust the white balance. |
| 22 | **Colour system performance check** | 1. Receive the colour bar signal. | • In the process mode, select L1. Check the colour and tint. |
| 23 | **Video system performance check** | 1. Receive the monoscope pattern signal. | • In the process mode, select L2. Check the picture, brightness and sharpness. |

| No. | Adjusting point | Adjusting conditions | Adjusting procedure |
|---|---|---|---|
| 24 | **Audio system performance check** | | • In the process mode, select L3. Check the bass, treble and balance. |
| 25 | **RGB performance check** | 1. Receive the RGB signal. | • In the process mode, select L4. Check the picture, brightness, red, blue, clock, phase, horizontal position, and vertical position. |
| 26 | **Off-timer performance check** | | • In the process mode, select OFF. Make sure that the off-timer starts with "5" (minutes), counts down each minute in 1 second, and turns off the set at "0". |
| 27 | **Lens shift adjustment** | 1. Group : LENS<br>Subject : LENS AUTO | • Adjust the lens center position (for the lens center to come to the △ mark on the front cabinet).<br>• When the ENTER key is pressed after choosing the subject LENS AUTO, the data is fed automatically. |
| 28 | **Factory settings** | | • Execute S4 of the group SSS to make the factory settings. |

## • Process adjustment mode menu

**(Selection button: Mute key)**

1) Main menu

| ADJ IN Ver. 0.1 |
|---|
| A/D |
| OUTPUT 1 |
| OUTPUT 2 |
| OUTPUT 3 |
| VIDEO 1 |
| VIDEO 2 |
| LINE |
| SSS |
| PATTERN |
| LENS |

2) A/D menu

| A/D | |
|---|---|
| ROS | 128 |
| GOS | 128 |
| BOS | 128 |
| GAIN | 128 |
| R-D | 128 |
| B-D | 128 |
| G-D | 128 |

This menu is to select the gamma setting for normal operation or for process operation. (Initial setting: ON)

3) OUTPUT1 menu

| OUTPUT 1 | |
|---|---|
| R1-BLK | 128 |
| R1-GAIN | 128 |
| G1-BLK | 128 |
| G1-GAIN | 128 |
| B1-BLK | 128 |
| B1-GAIN | 128 |

This menu is to select the colour bar pattern display ON/OFF. (Initial setting: ON)

4) OUTPUT2 menu

| OUTPUT 2 | |
|---|---|
| R1-BLK | 128 |
| R1-GAIN | 128 |
| G1-BLK | 128 |
| G1-GAIN | 128 |
| B1-BLK | 128 |
| B1-GAIN | 128 |

This menu is to select the colour bar pattern display ON/OFF. (Initial setting: ON)

5) OUTPUT3 menu

| OUTPUT 3 | |
|---|---|
| RC | 128 |
| GC | 128 |
| BC | 128 |
| SH-PHASE | 8 |
| RCK-PHASE | 8 |
| GCK-PHASE | 8 |
| BCK-PHASE | 8 |

6) VIDEO1 menu

| VIDEO 1 | |
|---|---|
| NTSC-H | 32 |
| PICTURE | 128 |
| AGC | 128 |
| BRIGHT | 128 |
| TINT | 128 |
| N-COLOR | 128 |
| P-COLOR | 128 |
| S-COLOR | 128 |

This menu is to select the gamma setting for usual operation or for process operation. (Initial setting: OFF)

7) VIDEO2 menu

| VIDEO 2 | |
|---|---|
| VROS | 128 |
| VGOS | 128 |
| VBOS | 128 |
| R-GAIN | 128 |
| B-GAIN | 128 |

This menu is to select the gamma setting for usual operation or for process operation. (Initial setting: OFF)

8) LINE menu

| LINE |
|---|
| L1 |
| L2 |
| L3 |
| L4 |
| OFF |
| TEMP OFF |
| TEMP CHECK |

9) SSS menu

| SSS | |
|---|---|
| TIME | Lamp on time display |
| S2 | Initialization (EEPROM) |
| S3 | Initialization (without blue background) |
| S4 | Factory setting (English) |
| S5 | Factory setting (Japanese) |
| LAMP TIME ON | |

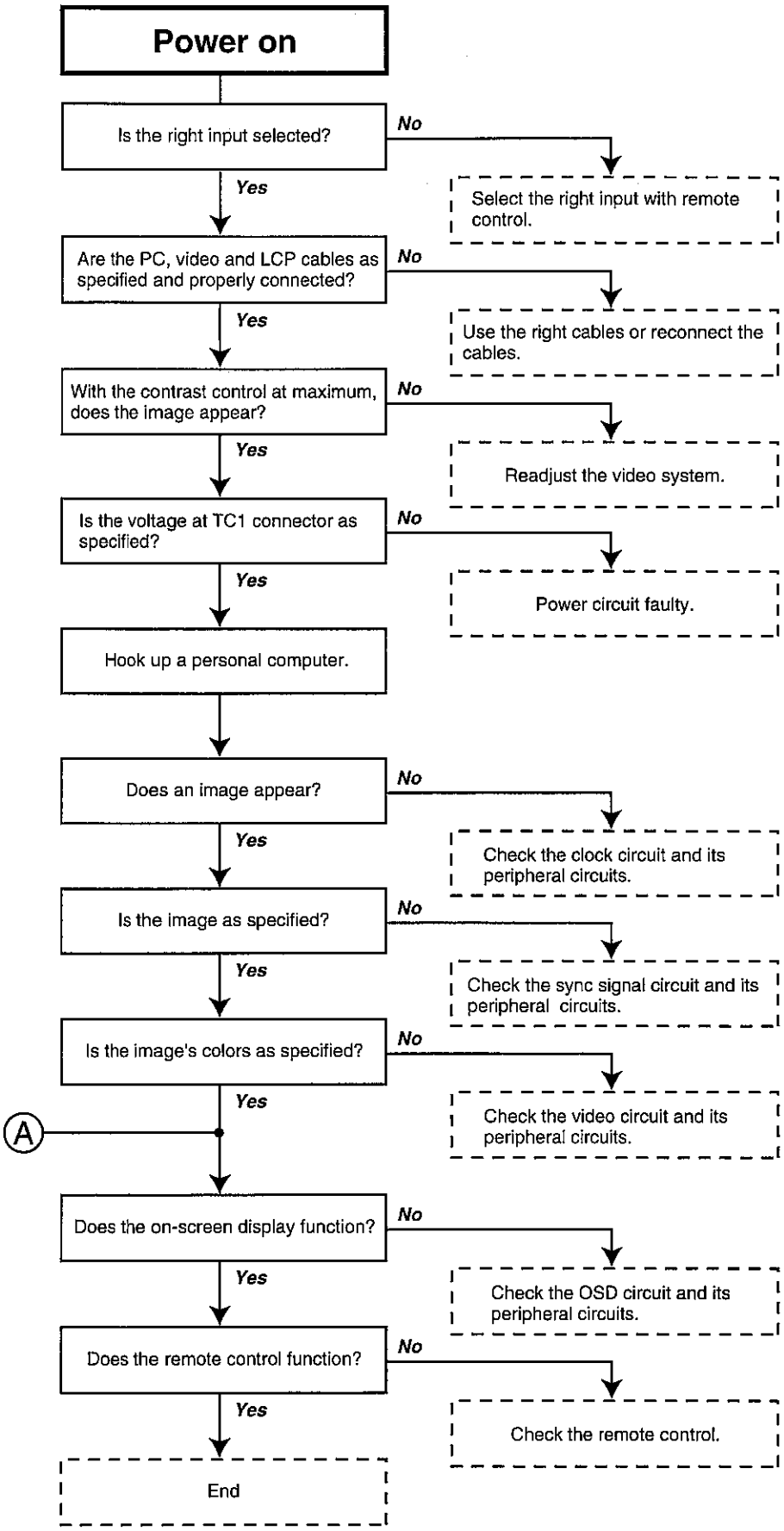
10) PATTERN menu

| PATTERN | | |
|---|---|---|
| RGB | 1 | Colors: Red - Green - Blue - White - Black - Magenta - Cyan - Yellow, in solid and cross-hatch pattern |
| CROSS | 1 | Lamp |
| RAMP | | Step (8/16) |
| STEP | | Colour bar |
| COLOR | | Characters (Cross/ Backslash) |
| CHR | | To manual mode |
| MANUAL | | |

11) LENS menu

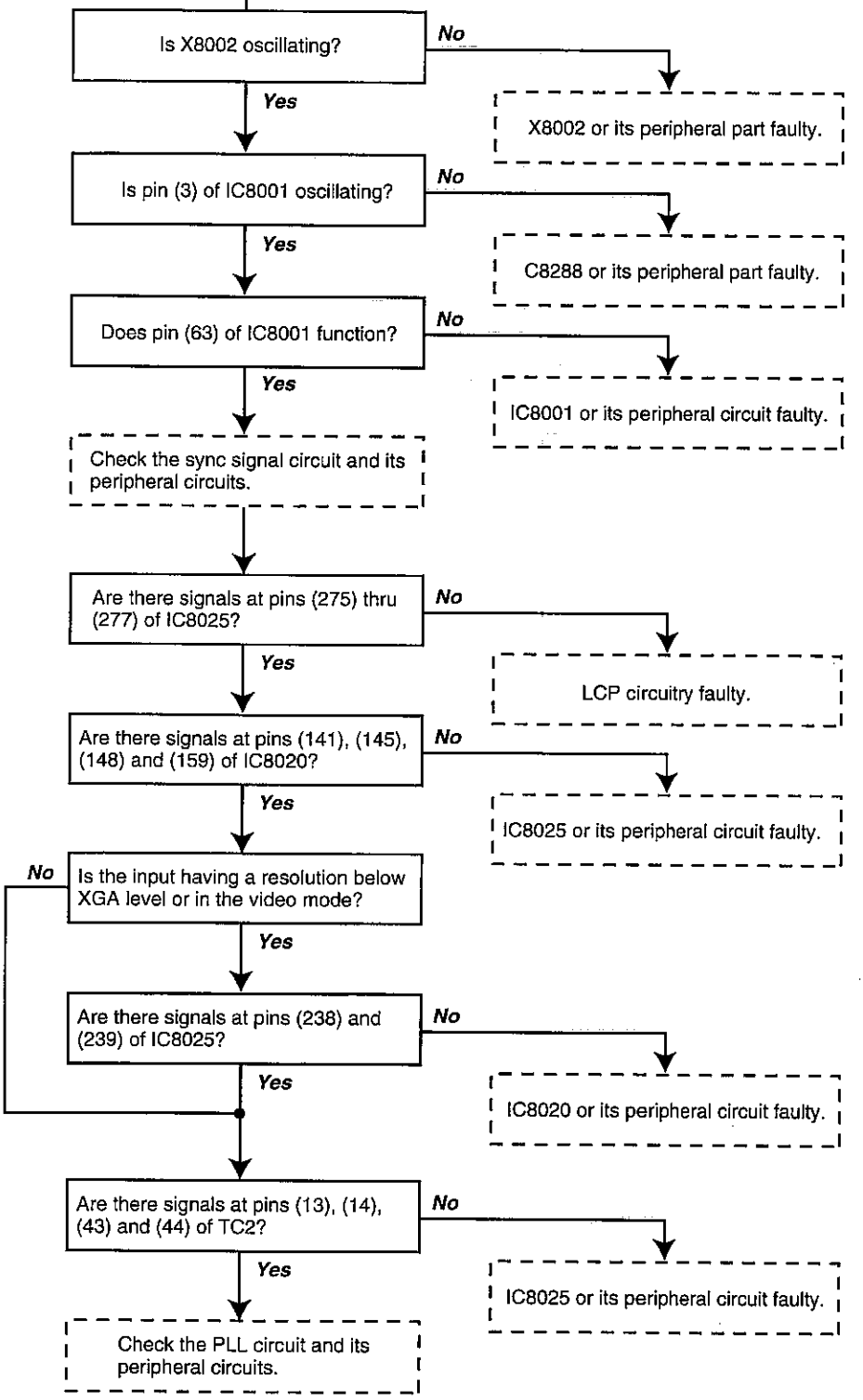
| SSS | |
|---|---|
| TIME | |
| S2 | |
| S3 | |
| S4 | |
| S5 | |
| LAMP TIME ON | |

# TROUBLE SHOOTING TABLE



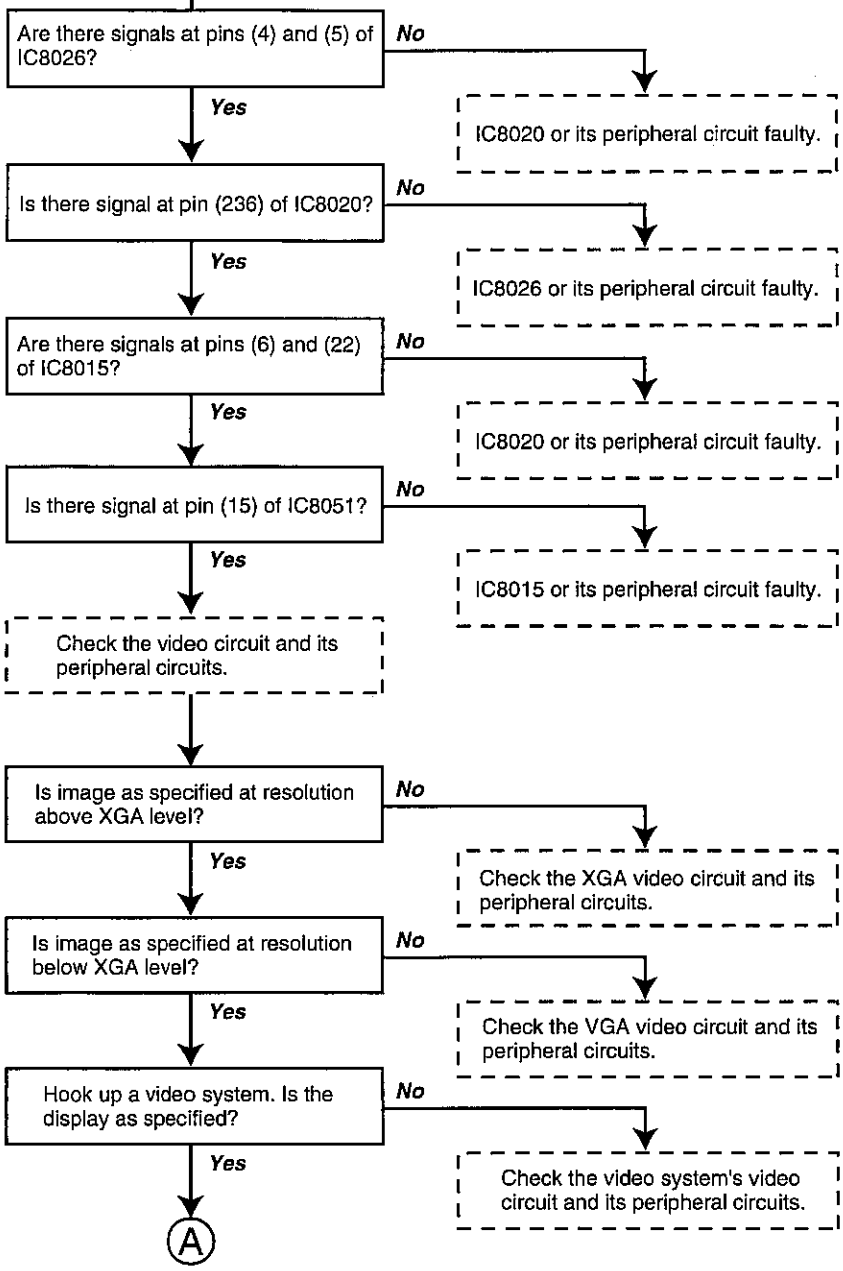
# TROUBLE SHOOTING TABLE (Continued)

## Checking the clock circuit and its peripheral circuits

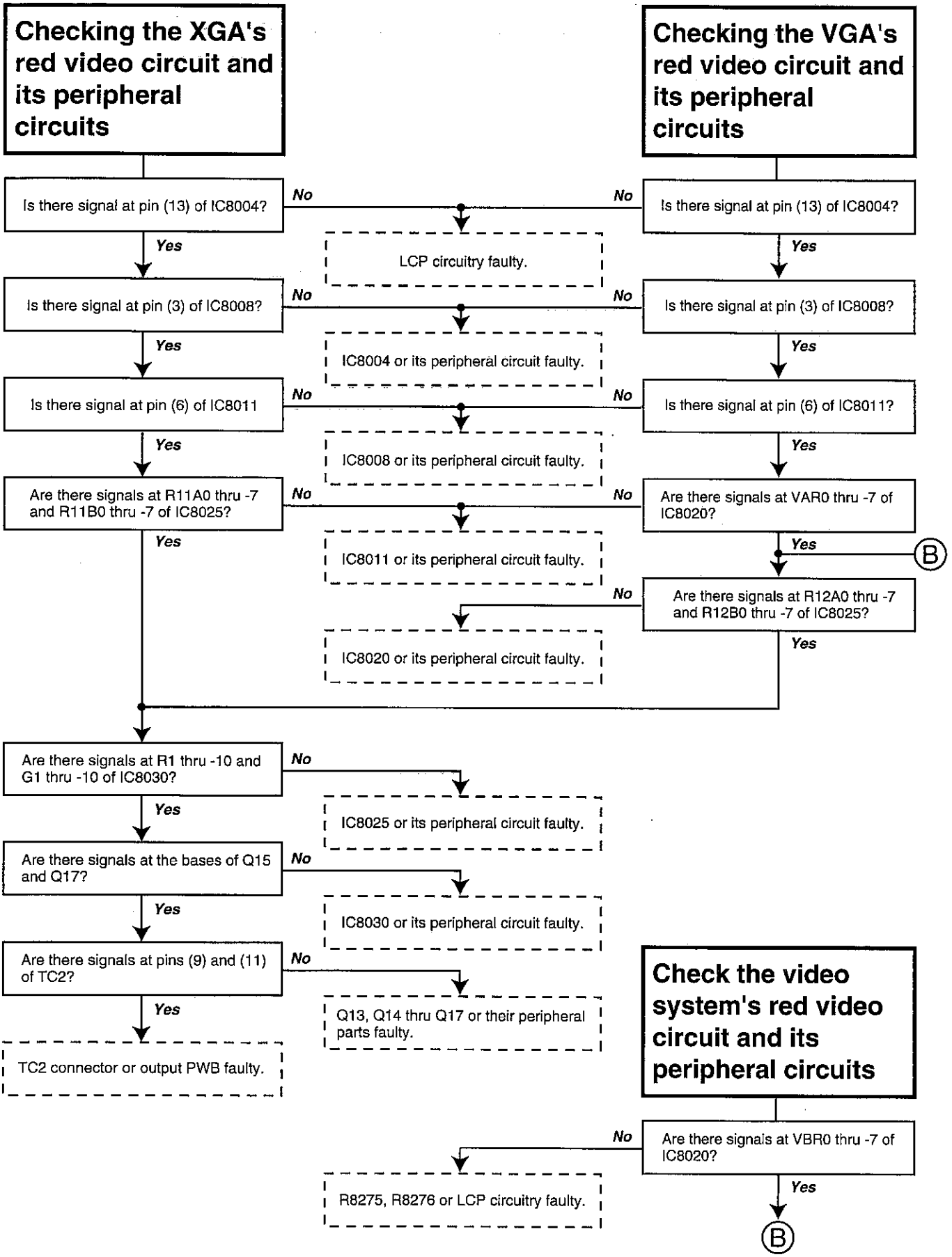

Is X8002 oscillating?
No
X8002 or its peripheral part faulty.
Yes
Is pin (3) of IC8001 oscillating?
No
C8288 or its peripheral part faulty.
Yes
Does pin (63) of IC8001 function?
No
IC8001 or its peripheral circuit faulty.
Yes
Check the sync signal circuit and its peripheral circuits.
Are there signals at pins (275) thru (277) of IC8025?
No
LCP circuitry faulty.
Yes
Are there signals at pins (141), (145), (148) and (159) of IC8020?
No
IC8025 or its peripheral circuit faulty.
Yes
No
Is the input having a resolution below XGA level or in the video mode?
Yes
Are there signals at pins (238) and (239) of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Are there signals at pins (13), (14), (43) and (44) of TC2?
No
IC8025 or its peripheral circuit faulty.
Yes
Check the PLL circuit and its peripheral circuits.

# TROUBLE SHOOTING TABLE (Continued)

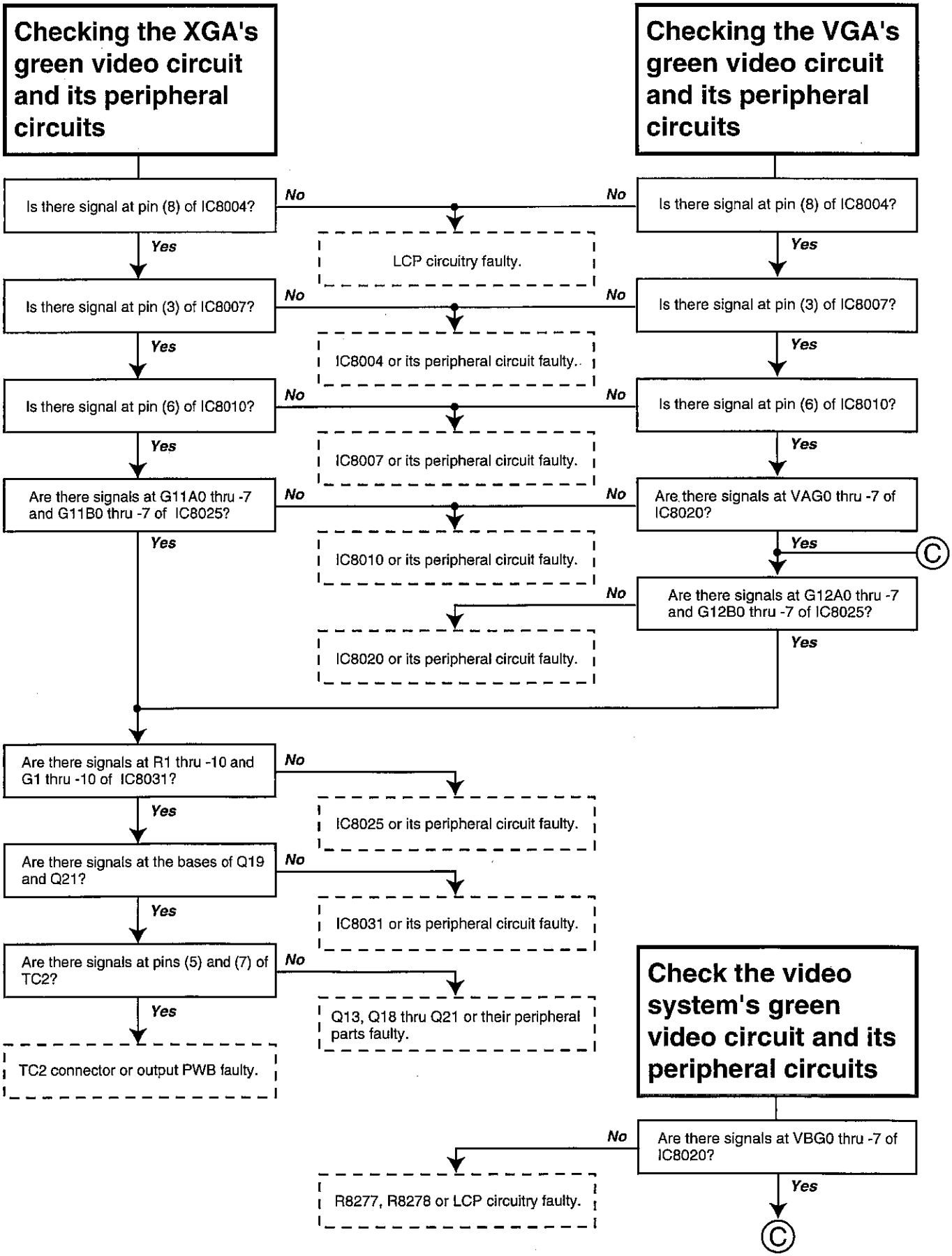
## Checking the PLL circuit and its peripheral circuits


Are there signals at pins (4) and (5) of IC8026?
No
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at pin (236) of IC8020?
No
IC8026 or its peripheral circuit faulty.
Yes
Are there signals at pins (6) and (22) of IC8015?
No
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at pin (15) of IC8051?
No
IC8015 or its peripheral circuit faulty.
Yes
Check the video circuit and its peripheral circuits.
Is image as specified at resolution above XGA level?
No
Check the XGA video circuit and its peripheral circuits.
Yes
Is image as specified at resolution below XGA level?
No
Check the VGA video circuit and its peripheral circuits.
Yes
Hook up a video system. Is the display as specified?
No
Check the video system's video circuit and its peripheral circuits.
Yes
A

# TROUBLE SHOOTING TABLE (Continued)


Checking the XGA's red video circuit and its peripheral circuits
Is there signal at pin (13) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8008?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8011
No
IC8008 or its peripheral circuit faulty.
Yes
Are there signals at R11A0 thru -7 and R11B0 thru -7 of IC8025?
No
IC8011 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8030?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q15 and Q17?
No
IC8030 or its peripheral circuit faulty.
Yes
Are there signals at pins (9) and (11) of TC2?
No
Q13, Q14 thru Q17 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's red video circuit and its peripheral circuits
Is there signal at pin (13) of IC8004?
No
Yes
Is there signal at pin (3) of IC8008?
No
Yes
Is there signal at pin (6) of IC8011?
No
Yes
Are there signals at VAR0 thru -7 of IC8020?
No
Yes
B
Are there signals at R12A0 thru -7 and R12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's red video circuit and its peripheral circuits
Are there signals at VBR0 thru -7 of IC8020?
No
R8275, R8276 or LCP circuitry faulty.
Yes
B

# TROUBLE SHOOTING TABLE (Continued)

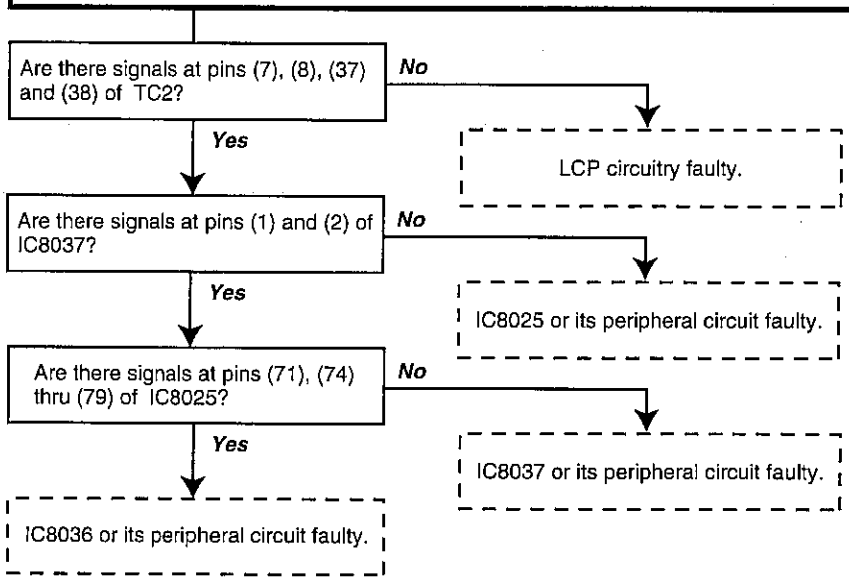

Checking the XGA's green video circuit and its peripheral circuits
Is there signal at pin (8) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8007?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8010?
No
IC8007 or its peripheral circuit faulty.
Yes
Are there signals at G11A0 thru -7 and G11B0 thru -7 of IC8025?
No
IC8010 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8031?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q19 and Q21?
No
IC8031 or its peripheral circuit faulty.
Yes
Are there signals at pins (5) and (7) of TC2?
No
Q13, Q18 thru Q21 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's green video circuit and its peripheral circuits
Is there signal at pin (8) of IC8004?
No
Yes
Is there signal at pin (3) of IC8007?
No
Yes
Is there signal at pin (6) of IC8010?
No
Yes
Are there signals at VAG0 thru -7 of IC8020?
No
Yes
C
Are there signals at G12A0 thru -7 and G12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's green video circuit and its peripheral circuits
Are there signals at VBG0 thru -7 of IC8020?
No
R8277, R8278 or LCP circuitry faulty.
Yes
C

# TROUBLE SHOOTING TABLE (Continued)

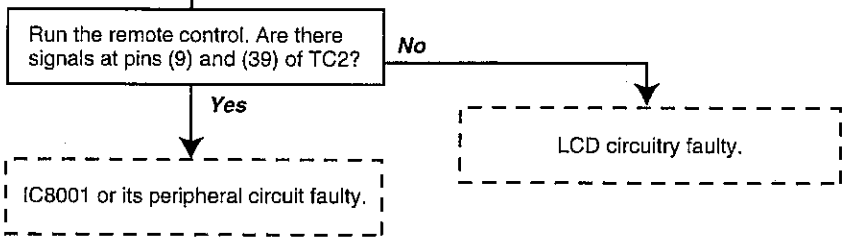
Checking the XGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004?
No
LCP circuitry faulty.
Yes
Is there signal at pin (3) of IC8006?
No
IC8004 or its peripheral circuit faulty.
Yes
Is there signal at pin (6) of IC8009?
No
IC8006 or its peripheral circuit faulty.
Yes
Are there signals at B11A0 thru -7 and B11B0 thru -7 of IC8025?
No
IC8009 or its peripheral circuit faulty.
Yes
Are there signals at R1 thru -10 and G1 thru -10 of IC8032?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at the bases of Q23 and Q25?
No
IC8032 or its peripheral circuit faulty.
Yes
Are there signals at pins (1) and (3) of TC2?
No
Q13, Q22 thru Q25 or their peripheral parts faulty.
Yes
TC2 connector or output PWB faulty.
Checking the VGA's blue video circuit and its peripheral circuits
Is there signal at pin (3) of IC8004?
No
Yes
Is there signal at pin (3) of IC8006?
No
Yes
Is there signal at pin (6) of IC8009?
No
Yes
Are there signals at VAB0 thru -7 of IC8020?
No
Yes
D
Are there signals at B12A0 thru -7 and B12B0 thru -7 of IC8025?
No
IC8020 or its peripheral circuit faulty.
Yes
Check the video system's blue video circuit and its peripheral circuits.
Are there signals at VBB0 thru -7 of IC8020?
No
R8279, R8280 or LCP circuitry faulty.
Yes
D

# TROUBLE SHOOTING TABLE (Continued)

## Checking the OSD circuit and its peripheral circuits

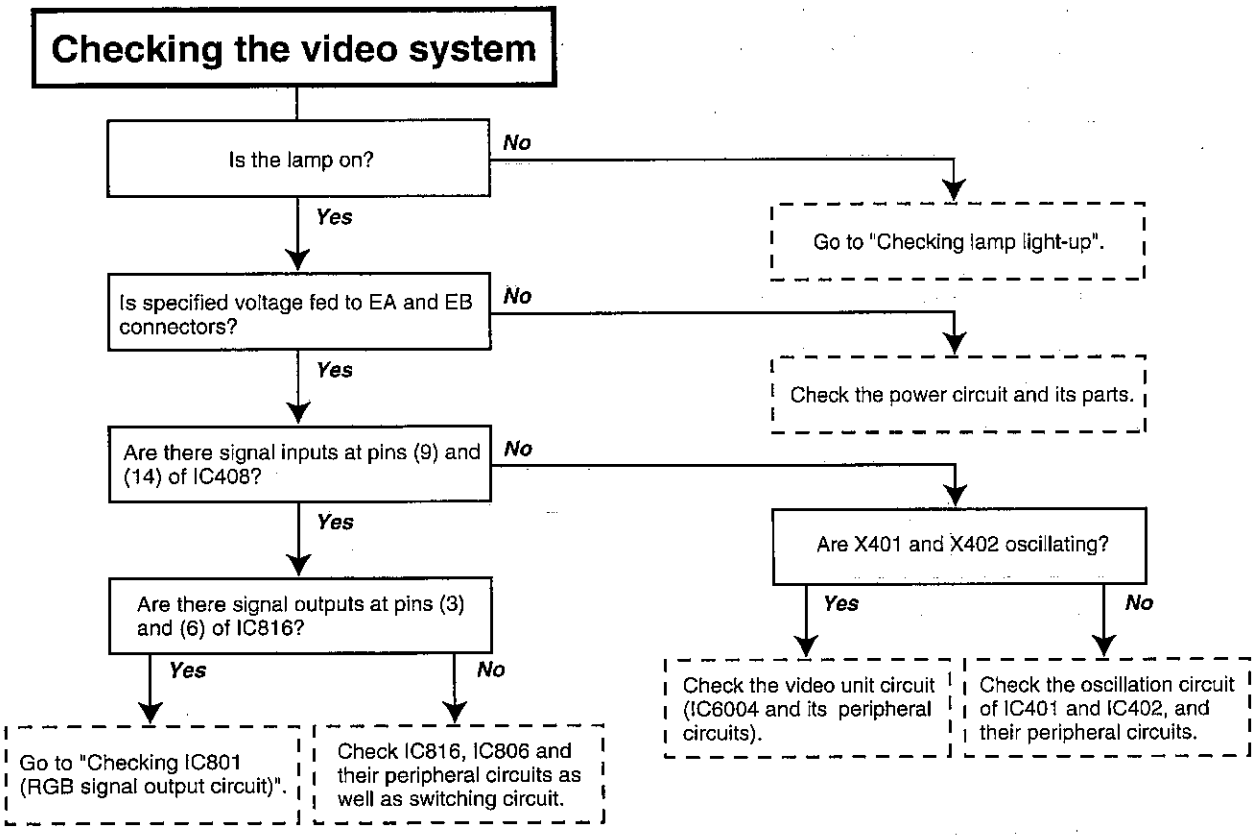

Are there signals at pins (7), (8), (37) and (38) of TC2?
No
LCP circuitry faulty.
Yes
Are there signals at pins (1) and (2) of IC8037?
No
IC8025 or its peripheral circuit faulty.
Yes
Are there signals at pins (71), (74) thru (79) of IC8025?
No
IC8037 or its peripheral circuit faulty.
Yes
IC8036 or its peripheral circuit faulty.

## Checking the remote control

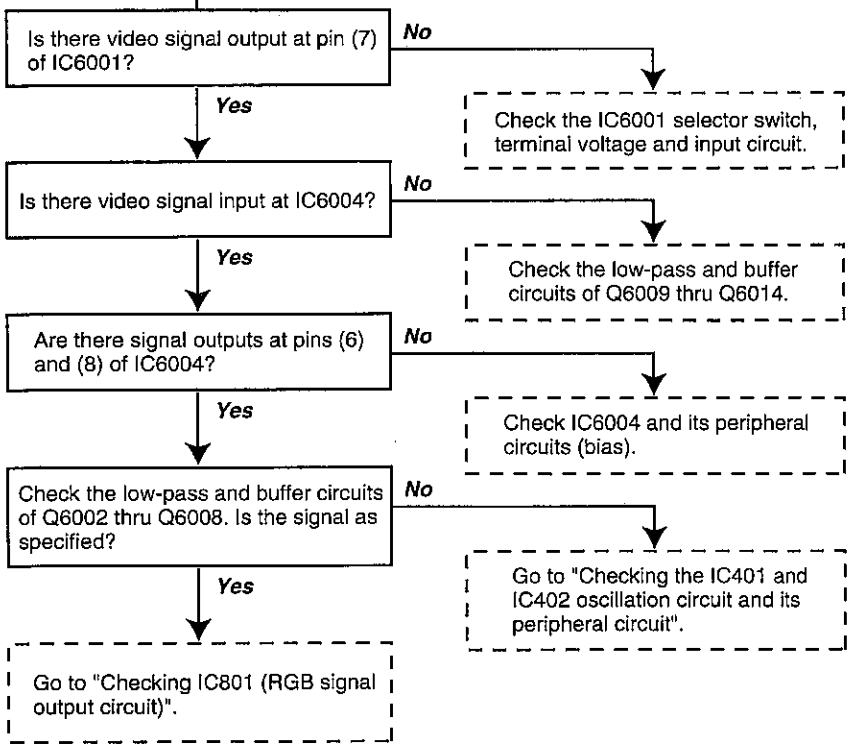

Run the remote control. Are there signals at pins (9) and (39) of TC2?
No
LCD circuitry faulty.
Yes
IC8001 or its peripheral circuit faulty.

# TROUBLE SHOOTING TABLE (Continued)

## Checking the video system

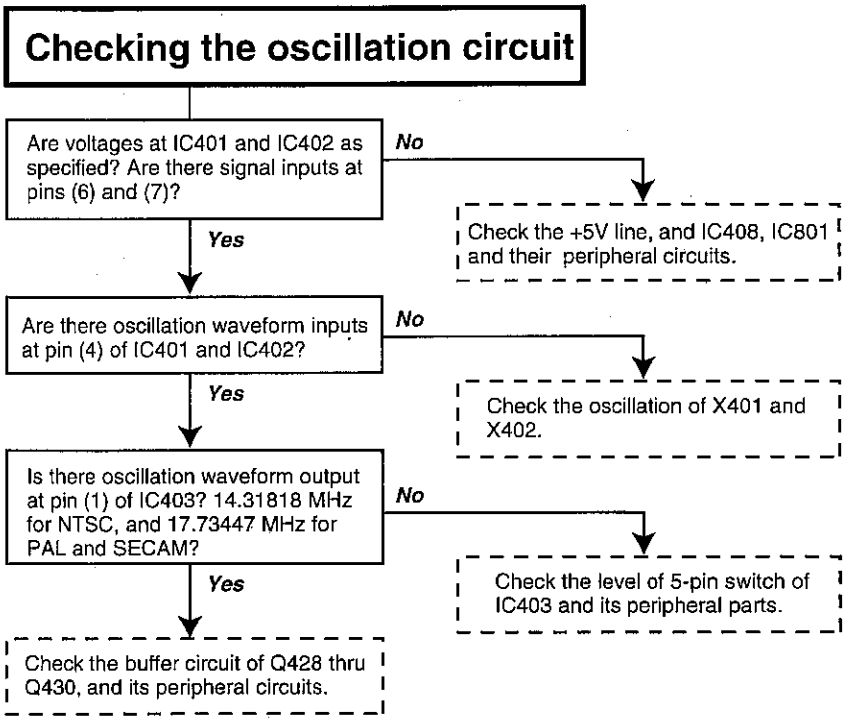

Is the lamp on?
No
Yes
Go to "Checking lamp light-up".
Is specified voltage fed to EA and EB connectors?
No
Yes
Check the power circuit and its parts.
Are there signal inputs at pins (9) and (14) of IC408?
No
Yes
Are X401 and X402 oscillating?
Yes
No
Are there signal outputs at pins (3) and (6) of IC816?
Yes
No
Check the video unit circuit (IC6004 and its peripheral circuits).
Check the oscillation circuit of IC401 and IC402, and their peripheral circuits.
Go to "Checking IC801 (RGB signal output circuit)".
Check IC816, IC806 and their peripheral circuits as well as switching circuit.

## Checking the video unit circuit

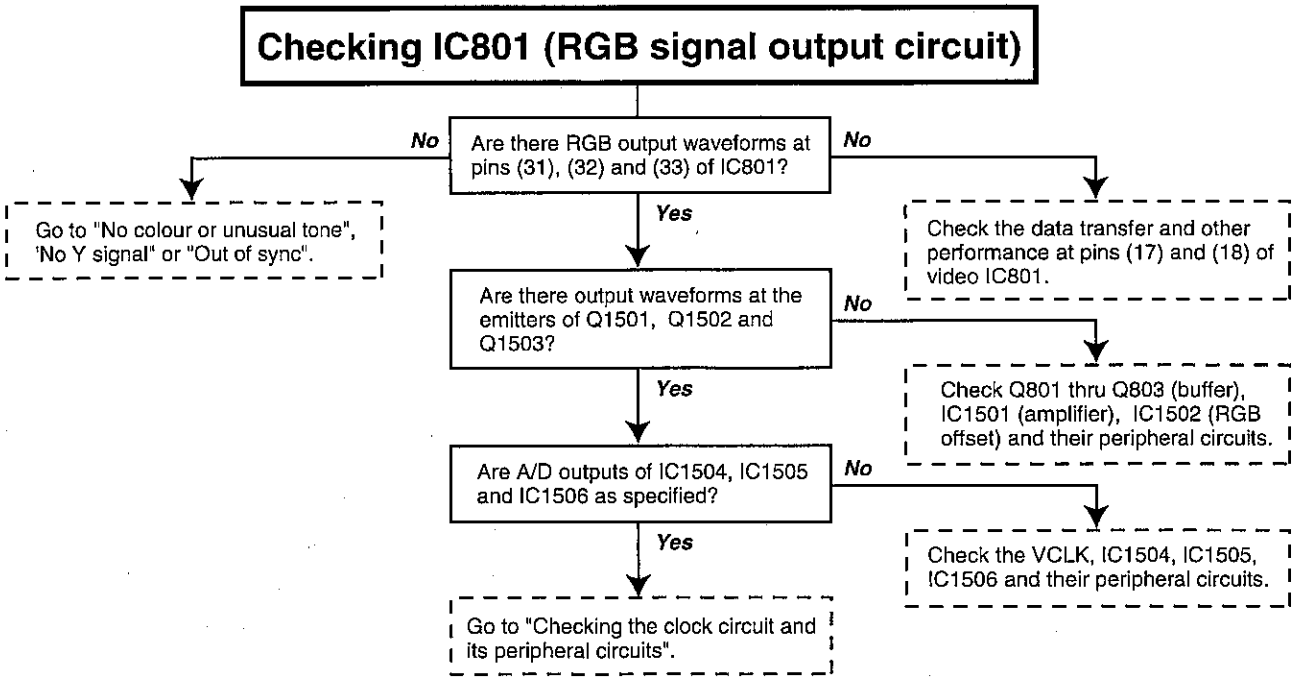

Is there video signal output at pin (7) of IC6001?
No
Yes
Check the IC6001 selector switch, terminal voltage and input circuit.
Is there video signal input at IC6004?
No
Yes
Check the low-pass and buffer circuits of Q6009 thru Q6014.
Are there signal outputs at pins (6) and (8) of IC6004?
No
Yes
Check IC6004 and its peripheral circuits (bias).
Check the low-pass and buffer circuits of Q6002 thru Q6008. Is the signal as specified?
No
Yes
Go to "Checking the IC401 and IC402 oscillation circuit and its peripheral circuit".
Go to "Checking IC801 (RGB signal output circuit)".

# TROUBLE SHOOTING TABLE (Continued)

## Checking the oscillation circuit

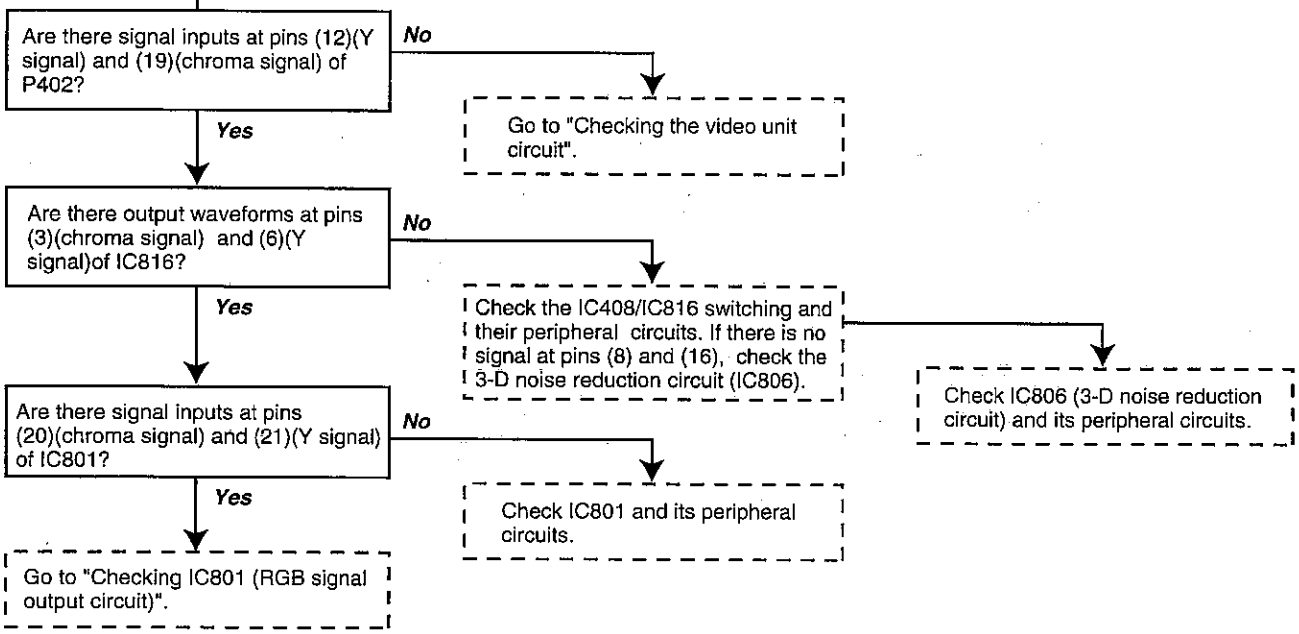

Are voltages at IC401 and IC402 as specified? Are there signal inputs at pins (6) and (7)?
No
Check the +5V line, and IC408, IC801 and their peripheral circuits.
Yes
Are there oscillation waveform inputs at pin (4) of IC401 and IC402?
No
Check the oscillation of X401 and X402.
Yes
Is there oscillation waveform output at pin (1) of IC403? 14.31818 MHz for NTSC, and 17.73447 MHz for PAL and SECAM?
No
Check the level of 5-pin switch of IC403 and its peripheral parts.
Yes
Check the buffer circuit of Q428 thru Q430, and its peripheral circuits.

## Checking IC801 (RGB signal output circuit)

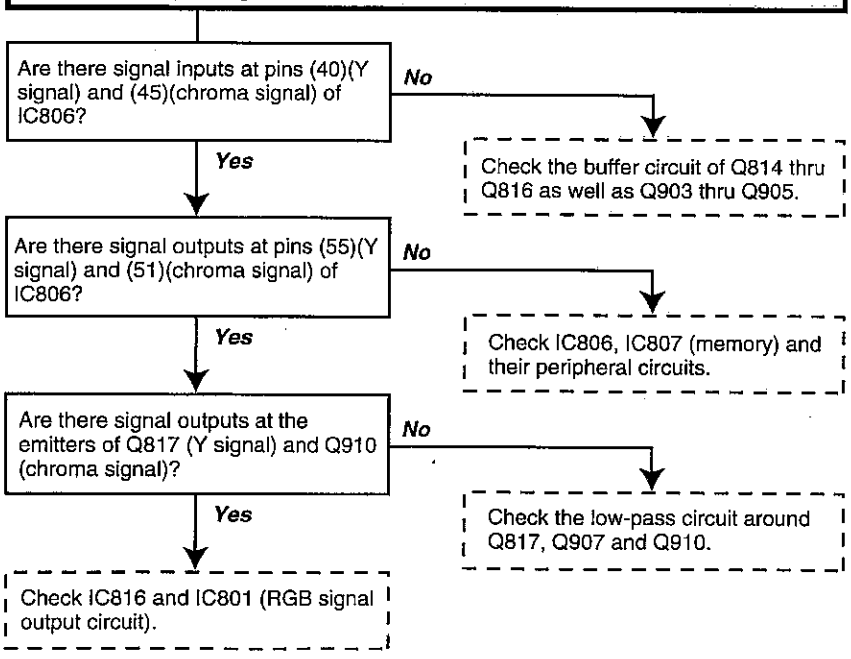

Are there RGB output waveforms at pins (31), (32) and (33) of IC801?
No
Go to "No colour or unusual tone", 'No Y signal" or "Out of sync".
No
Check the data transfer and other performance at pins (17) and (18) of video IC801.
Yes
Are there output waveforms at the emitters of Q1501, Q1502 and Q1503?
No
Check Q801 thru Q803 (buffer), IC1501 (amplifier), IC1502 (RGB offset) and their peripheral circuits.
Yes
Are A/D outputs of IC1504, IC1505 and IC1506 as specified?
No
Check the VCLK, IC1504, IC1505, IC1506 and their peripheral circuits.
Yes
Go to "Checking the clock circuit and its peripheral circuits".

# TROUBLE SHOOTING TABLE (Continued)

## Checking the chroma and Y signals of IC801 (RGB signal output)

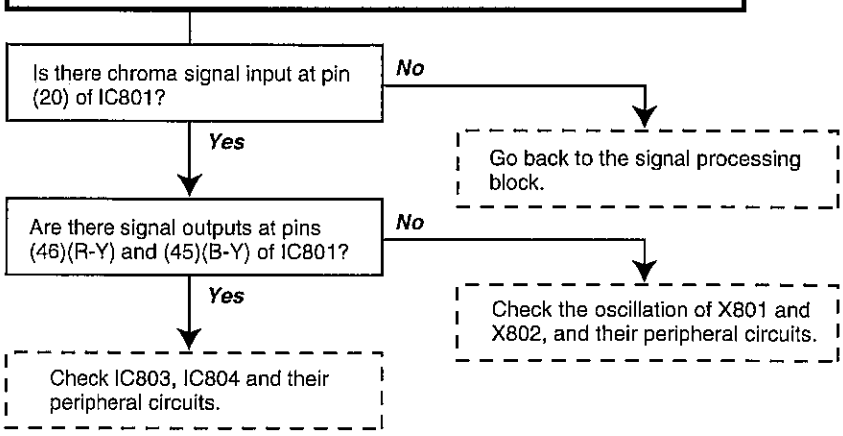

Are there signal inputs at pins (12)(Y signal) and (19)(chroma signal) of P402?
No
Go to "Checking the video unit circuit".
Yes
Are there output waveforms at pins (3)(chroma signal) and (6)(Y signal)of IC816?
No
Check the IC408/IC816 switching and their peripheral circuits. If there is no signal at pins (8) and (16), check the 3-D noise reduction circuit (IC806).
Check IC806 (3-D noise reduction circuit) and its peripheral circuits.
Yes
Are there signal inputs at pins (20)(chroma signal) and (21)(Y signal) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Go to "Checking IC801 (RGB signal output circuit)".

## Checking IC806 (3-D noise reduction circuit) and its peripheral circuits

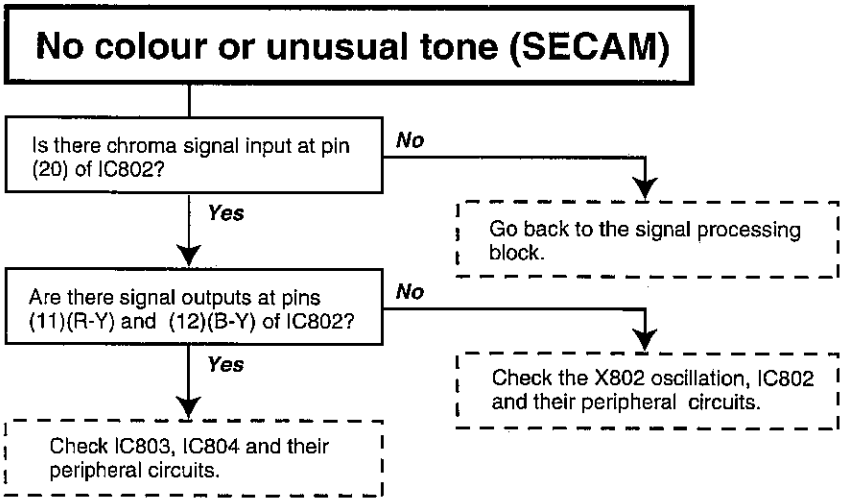

Are there signal inputs at pins (40)(Y signal) and (45)(chroma signal) of IC806?
No
Check the buffer circuit of Q814 thru Q816 as well as Q903 thru Q905.
Yes
Are there signal outputs at pins (55)(Y signal) and (51)(chroma signal) of IC806?
No
Check IC806, IC807 (memory) and their peripheral circuits.
Yes
Are there signal outputs at the emitters of Q817 (Y signal) and Q910 (chroma signal)?
No
Check the low-pass circuit around Q817, Q907 and Q910.
Yes
Check IC816 and IC801 (RGB signal output circuit).

# TROUBLE SHOOTING TABLE (Continued)

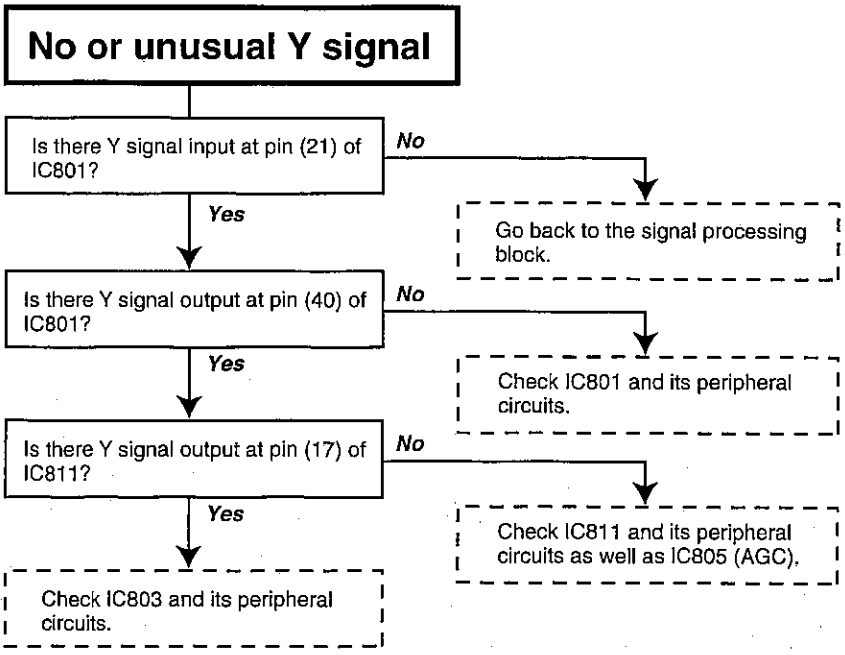
## No colour or unusual tone (NTSC, PAL)


Is there chroma signal input at pin (20) of IC801?
No
Yes
Go back to the signal processing block.
Are there signal outputs at pins (46)(R-Y) and (45)(B-Y) of IC801?
No
Yes
Check the oscillation of X801 and X802, and their peripheral circuits.
Check IC803, IC804 and their peripheral circuits.

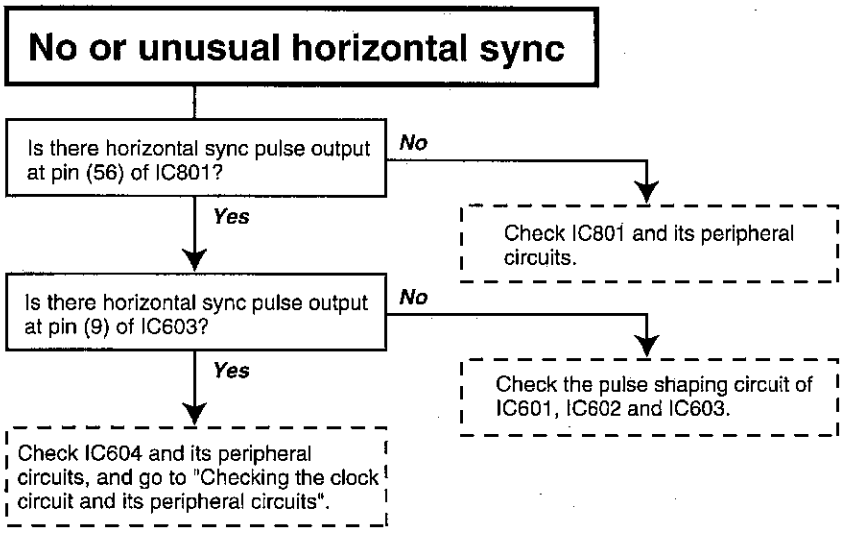
## No colour or unusual tone (SECAM)

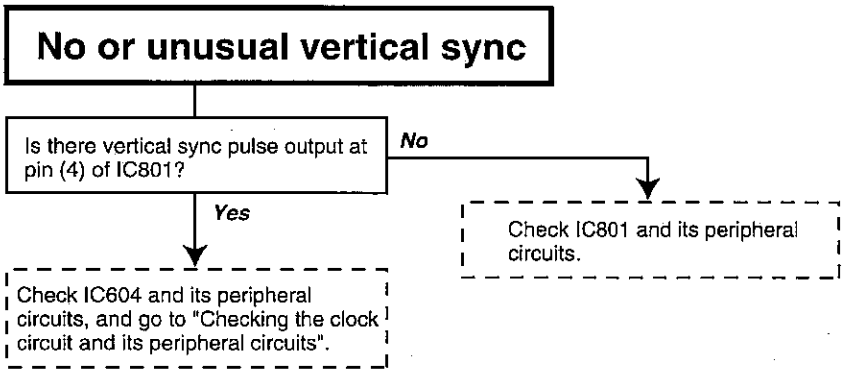

Is there chroma signal input at pin (20) of IC802?
No
Yes
Go back to the signal processing block.
Are there signal outputs at pins (11)(R-Y) and (12)(B-Y) of IC802?
No
Yes
Check the X802 oscillation, IC802 and their peripheral circuits.
Check IC803, IC804 and their peripheral circuits.

## No or unusual Y signal

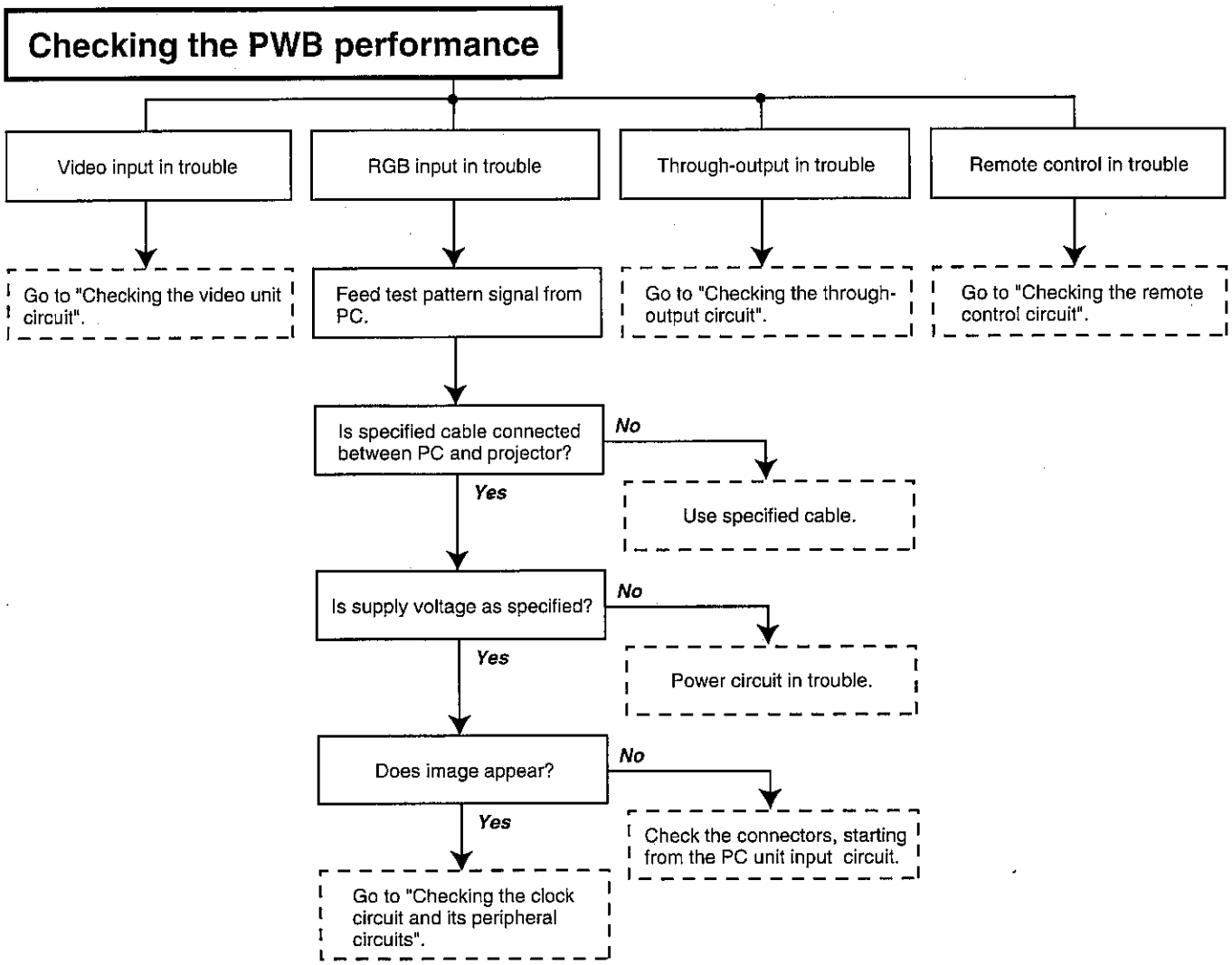

Is there Y signal input at pin (21) of IC801?
No
Yes
Go back to the signal processing block.
Is there Y signal output at pin (40) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Is there Y signal output at pin (17) of IC811?
No
Yes
Check IC811 and its peripheral circuits as well as IC805 (AGC).
Check IC803 and its peripheral circuits.

# TROUBLE SHOOTING TABLE (Continued)

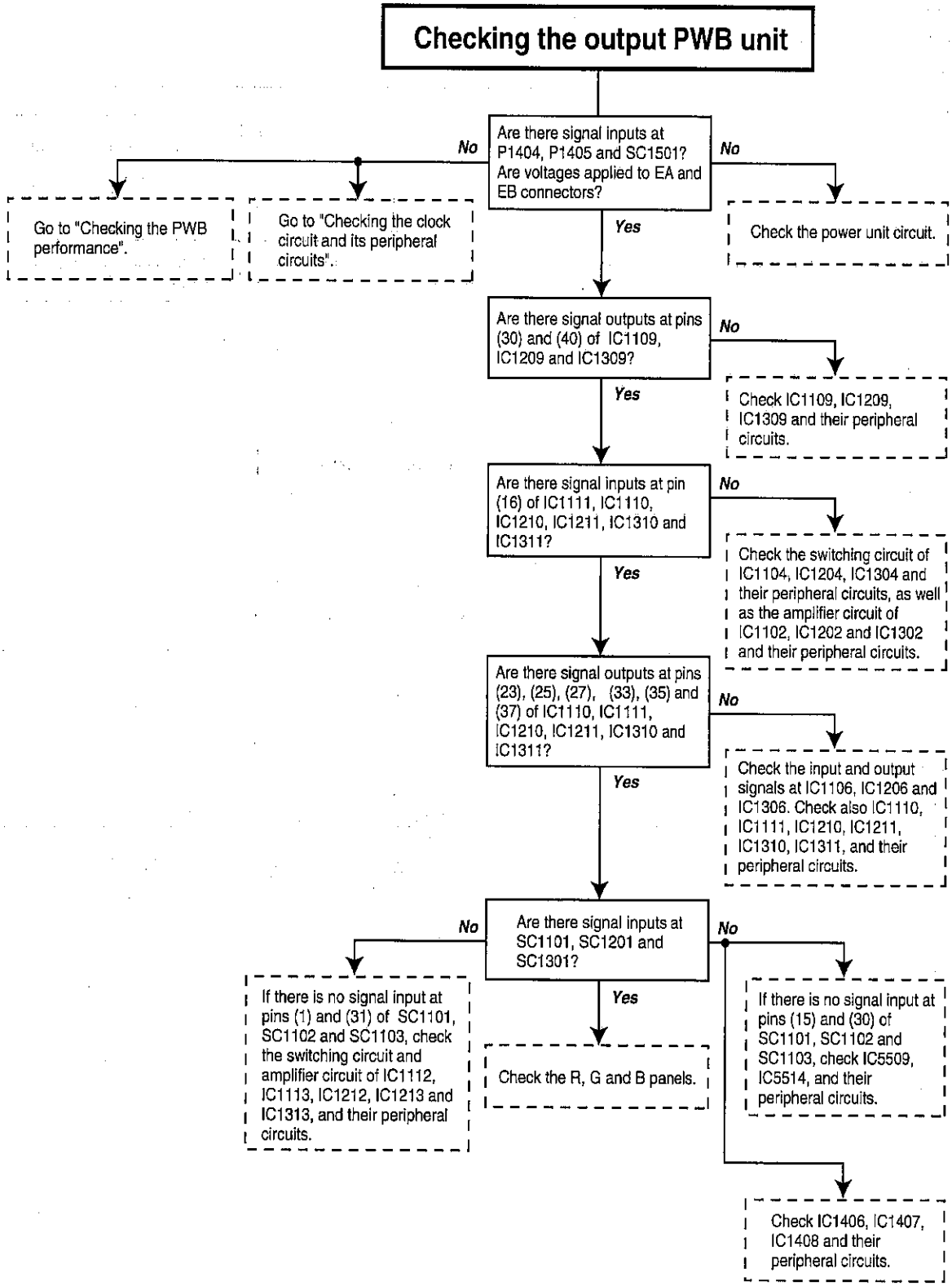

No or unusual horizontal sync
Is there horizontal sync pulse output at pin (56) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Is there horizontal sync pulse output at pin (9) of IC603?
No
Yes
Check the pulse shaping circuit of IC601, IC602 and IC603.
Check IC604 and its peripheral circuits, and go to "Checking the clock circuit and its peripheral circuits".


No or unusual vertical sync
Is there vertical sync pulse output at pin (4) of IC801?
No
Yes
Check IC801 and its peripheral circuits.
Check IC604 and its peripheral circuits, and go to "Checking the clock circuit and its peripheral circuits".

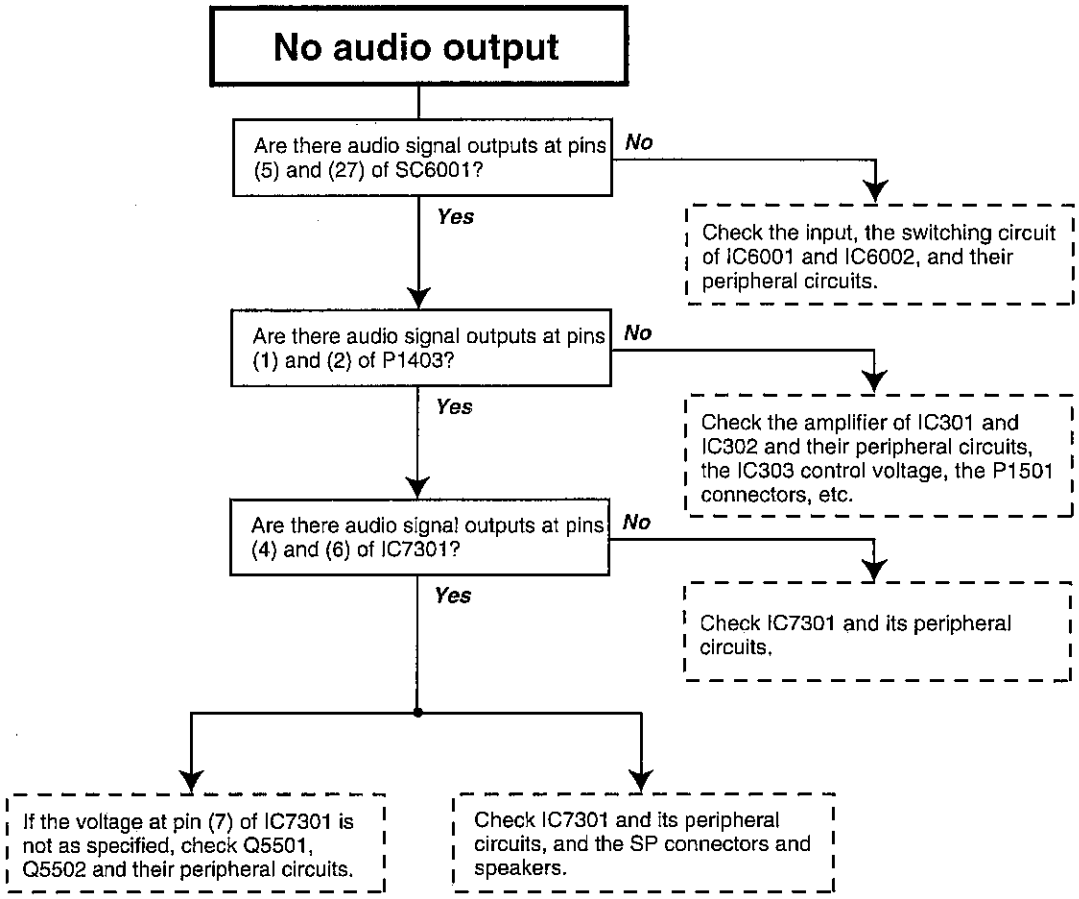
# TROUBLE SHOOTING TABLE (Continued)


Checking the PWB performance
Video input in trouble
RGB input in trouble
Through-output in trouble
Remote control in trouble
Go to "Checking the video unit circuit".
Feed test pattern signal from PC.
Go to "Checking the through-output circuit".
Go to "Checking the remote control circuit".
Is specified cable connected between PC and projector?
No
Use specified cable.
Yes
Is supply voltage as specified?
No
Power circuit in trouble.
Yes
Does image appear?
No
Check the connectors, starting from the PC unit input circuit.
Yes
Go to "Checking the clock circuit and its peripheral circuits".

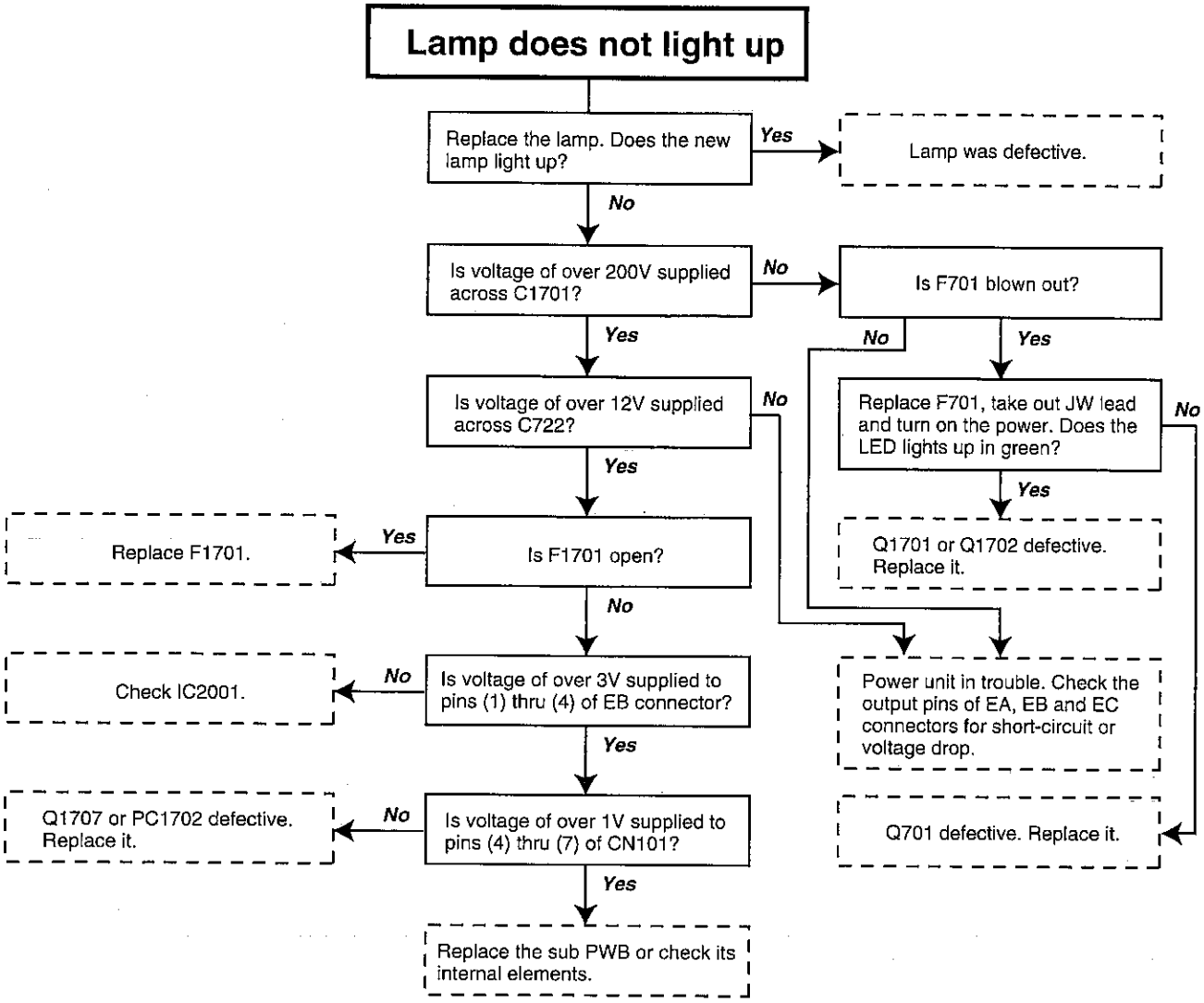
# TROUBLE SHOOTING TABLE (Continued)

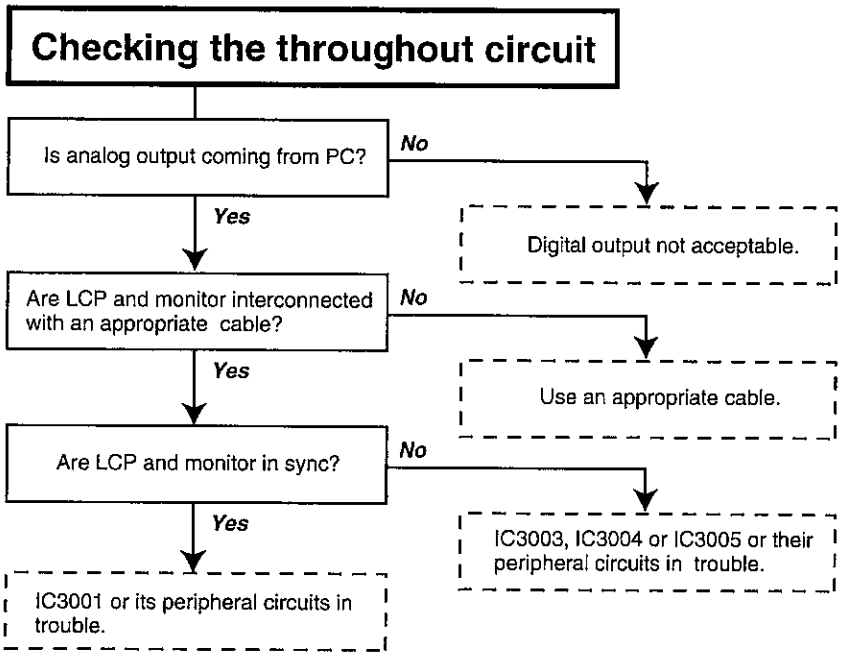

Checking the output PWB unit
Are there signal inputs at P1404, P1405 and SC1501? Are voltages applied to EA and EB connectors?
No
Go to "Checking the PWB performance".
Go to "Checking the clock circuit and its peripheral circuits".
No
Check the power unit circuit.
Yes
Are there signal outputs at pins (30) and (40) of IC1109, IC1209 and IC1309?
No
Check IC1109, IC1209, IC1309 and their peripheral circuits.
Yes
Are there signal inputs at pin (16) of IC1111, IC1110, IC1210, IC1211, IC1310 and IC1311?
No
Check the switching circuit of IC1104, IC1204, IC1304 and their peripheral circuits, as well as the amplifier circuit of IC1102, IC1202 and IC1302 and their peripheral circuits.
Yes
Are there signal outputs at pins (23), (25), (27), (33), (35) and (37) of IC1110, IC1111, IC1210, IC1211, IC1310 and IC1311?
No
Check the input and output signals at IC1106, IC1206 and IC1306. Check also IC1110, IC1111, IC1210, IC1211, IC1310, IC1311, and their peripheral circuits.
Yes
Are there signal inputs at SC1101, SC1201 and SC1301?
No
If there is no signal input at pins (1) and (31) of SC1101, SC1102 and SC1103, check the switching circuit and amplifier circuit of IC1112, IC1113, IC1212, IC1213 and IC1313, and their peripheral circuits.
Yes
Check the R, G and B panels.
No
If there is no signal input at pins (15) and (30) of SC1101, SC1102 and SC1103, check IC5509, IC5514, and their peripheral circuits.
Check IC1406, IC1407, IC1408 and their peripheral circuits.

# TROUBLE SHOOTING TABLE (Continued)


No audio output
Are there audio signal outputs at pins (5) and (27) of SC6001?
No
Yes
Check the input, the switching circuit of IC6001 and IC6002, and their peripheral circuits.
Are there audio signal outputs at pins (1) and (2) of P1403?
No
Yes
Check the amplifier of IC301 and IC302 and their peripheral circuits, the IC303 control voltage, the P1501 connectors, etc.
Are there audio signal outputs at pins (4) and (6) of IC7301?
No
Yes
Check IC7301 and its peripheral circuits.
If the voltage at pin (7) of IC7301 is not as specified, check Q5501, Q5502 and their peripheral circuits.
Check IC7301 and its peripheral circuits, and the SP connectors and speakers.

# TROUBLE SHOOTING TABLE (Continued)


Lamp does not light up
Replace the lamp. Does the new lamp light up?
Yes
Lamp was defective.
No
Is voltage of over 200V supplied across C1701?
No
Is F701 blown out?
Yes
No
Yes
Is voltage of over 12V supplied across C722?
No
Replace F701, take out JW lead and turn on the power. Does the LED lights up in green?
No
Yes
Yes
Q1701 or Q1702 defective. Replace it.
Replace F1701.
Yes
Is F1701 open?
No
Check IC2001.
No
Is voltage of over 3V supplied to pins (1) thru (4) of EB connector?
Power unit in trouble. Check the output pins of EA, EB and EC connectors for short-circuit or voltage drop.
Yes
Q1707 or PC1702 defective. Replace it.
No
Is voltage of over 1V supplied to pins (4) thru (7) of CN101?
Q701 defective. Replace it.
Yes
Replace the sub PWB or check its internal elements.


Checking the throughout circuit
Is analog output coming from PC?
No
Digital output not acceptable.
Yes
Are LCP and monitor interconnected with an appropriate cable?
No
Use an appropriate cable.
Yes
Are LCP and monitor in sync?
No
IC3003, IC3004 or IC3005 or their peripheral circuits in trouble.
Yes
IC3001 or its peripheral circuits in trouble.

# Technische Daten

| | |
|---|---|
| Produkttyp | LCD-Projekor |
| Modelle | XG-XV1E/A |
| * Videosystem | PAL/SECAM/NTSC3.58/NTSC4.43 |
| Wiedergabeverfahren | LCD-Projektionspanel x 3, optisches RGB-Verschlußverfahren |
| LCD-Projektionspanel | Panelgröße: 4,6 cm (1,8")(27,6 mm [H] x 36,9 mm [B])<br>Wiedergabe-Verfahren: Durchlässiges TN-Flüssigkristall-Panel<br>Treiberverfahren: TFT (Dünnfilmtransistor) Aktivmatrix-Panel<br>Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] x 768 [V]) |
| Objektiv | 1-1.6 Zoomobjektiv F2,7 bis 3,5, f=66 bis 106 mm |
| Projektionslampe | 370 W Metallhalogenidlampe |
| Kontrastverhältnis | 100: 1 |
| * Videoeingangssignal | BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert<br>RCA-Anschluß: AUDIO, 0,5 Vrms, mehr als 22kΩ (Stereo) |
| * S-Videoeingangssignal | 4-pol. Mini-DIN-Steckanschluß<br>Y (Luminanz-Signal): 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert<br>C (Chrominanz-Signal): Farbsynchronimpuls 0,286 Vs-s, 75Ω terminiert |
| * Video (Monitor)-Ausgangssignal | BNC-Anschluß: VIDEO, gemischtes Video, 1 Vs-s, negatives Sync.-Signal, 75Ω terminiert<br>RCA-Anschluß: AUDIO, 0,5 Vrms, weniger als 2,2kΩ (Stereo) |
| * Horizontale Auflösung | 520 Fernsehzeilen (Videoeingang), 700 Fernsehzeilen (S-Videoeingang) |
| Audioausgang | 3 W + 3 W (Stereo) |
| RGB-Computereingangssignal | Videosignal: 15-Pin Mini-D-Sub Steckanschluß (RGB 1), BNC-Steckanschluß (RGB 2): Getrennter analoger RGB-Signaleingang: 0,7 Vp-p, positiv, 75 Ω terminiert<br>Stereo-Minibuchse: AUDIO, 0,5 Vrms, mehr als 22 kΩ (Stereo)<br>Horizontales Sync.-Signal: TTL-Pegelsignal (positiv oder negativ) oder gemischtes Sync.-Signal (nur Macintosh)<br>Vertikales Sync.-Signal: Wie oben |
| RS-232C-Eingangs-Anschluß | 9-Pin D-Sub Stecker für die Bedienung des Computers |
| Maus-Eingangs-Anschluß (für IBM/Mac) | 9-Pin D-Sub-Buchse für die drahtlose Maus |
| Maus-Eingangs-Anschluß (für PC98) | 9-Pin Mini-DIN Steckverbindung für die drahtlose Maus |
| Lautsprechersystem | 3" (8 cm) rund x 2 |
| Nennspannung | Wechselstromspannung 200-240 V |
| Nennfrequenz | 60/50 Hz |
| Nennaufnahme | 535 W |
| Betriebstemperatur | +5 °C bis +40 °C |
| Lagertemperatur | –20 °C bis +60 °C |
| Gehäuse | Kunststoff |
| Wellenlänge des Laserzeiger der Fernbedienung | Wellenlänge: 670 nm<br>Max. Ausgangsleistung: 1 mW<br>Klasse II Lasergerät |
| Abmessungen (B x T x H) | 359 x 585 x 208 mm nur. Projektor<br>444 x 585 x 208 mm einschl. Anschluß-Abdeckung |
| Gewicht | 17,0 kg nur. Projektor |
| Mitgeliefertes Zubehör | Fernbedienung, vier Batterien der Größe AA, Ersatz-Luftfilter, RGB-Signalkabel (3 m), Macintosh-Adapter, zwei BNC/RCA-Adapter, Maus-Steuerungskabel für IBM PS/2 (15 cm), Maus-Steuerungskabel für Macintosh (15 cm), Maus-Steuerungskabel (3 m), Netzkabel, Abdeckung für Anschlüsse, Umkehretiketten Objektivkappe (linstalliert). |
| Ersatzteile | Fernbedienung (RRMCG1393CESA), Luftfilter (PFILD0058CEZZ), RGB-Signalkabel (QCNW-4910CEZZ), Macintosh-Adapter QPLGJ1512CEZZ), Maus-Steuerungskabel für IBM PS/2 (QCNW-4754CEZZ), Maus-Steureungskabel für Macintosh (QCNW-4755CEZZ), Maus-Steuerungskabel (QCNW-4620CEZZ), Netzkabel |

**Hinweis:** * (für XG-XV1A sowie die australischen und neuseeländischen Ausführungen von XG-XV1E)

Dieser Projektor ist mit 3 LCD (Flüssigkristallanzeige)-Projektionspanels ausgestattet. Diese neuartigen Projektionspanels enthalten TFTs (Dünnfilmtransistoren) mit insgesamt 519. 168 Bildpunkten (x RGB). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen und/oder Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben. Die von Sharp akzeptierte Toleranzgrenze erlaubt insgesamt 6 inaktive TFTs, die als beleuchtete oder nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluß auf die Bildqualität und die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

# HINWEIS FÜR DAS WARTUNGSPERSONAL

## ACHTUNG: UV-STRAHLUNG

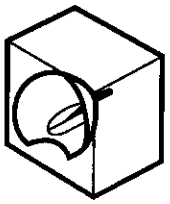
**Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.**

### DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

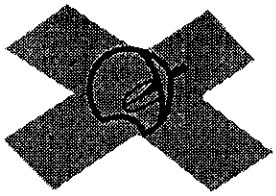
**Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:**

1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.

2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



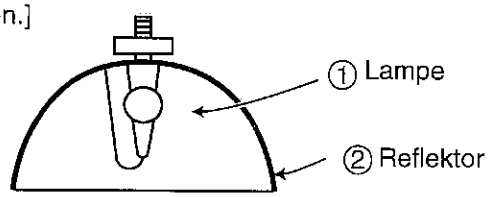
## Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Die Lampe darf nur gegen eine der gleichen Art ausgewechselt werden. Typ CLMPF0046DE05, bemessen für 63 V/370 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

## ■ Auswechseln der Lampe

### Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann.
Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.
[Es darf nur ein Original-Ersatzteil verwendet werden.]




**GEFAHR!** — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

**Hinweis:** Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modelle XG-SV1E/A durchführen, das keinen Objektivdeckel aufweist.

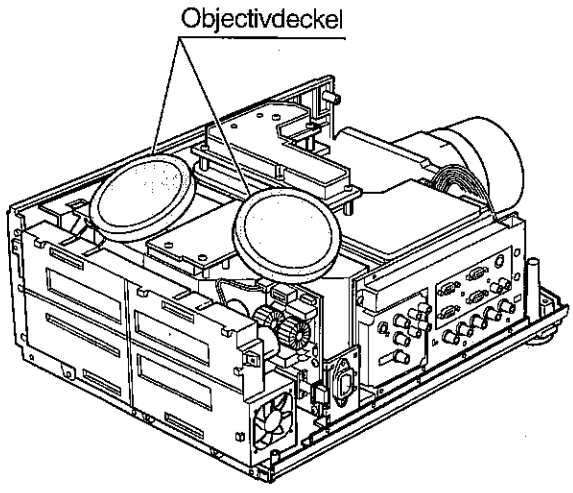
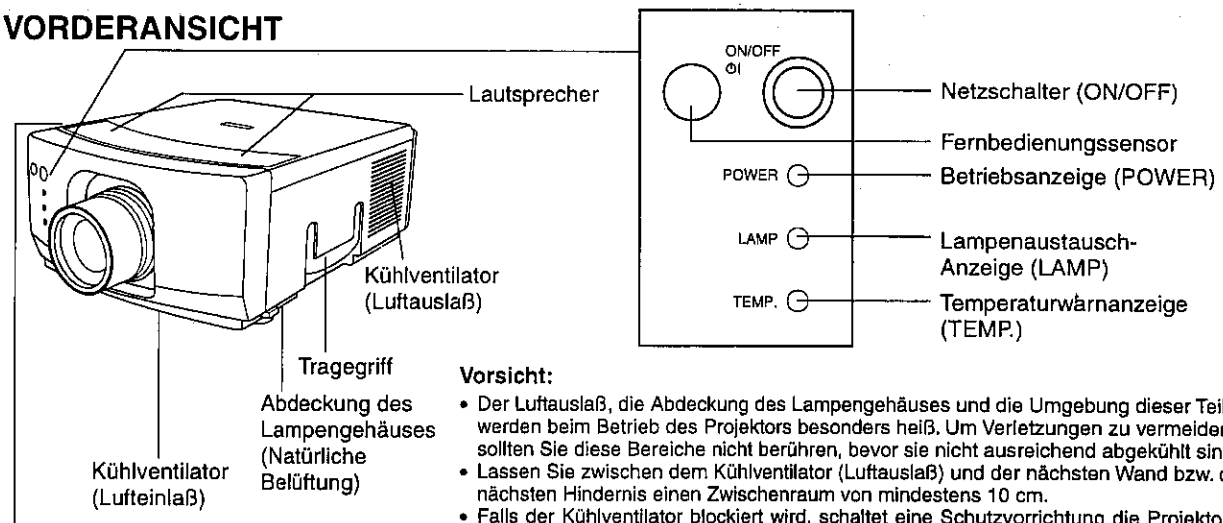



**Abbildung 1.**

# Lage der Bedienelemente

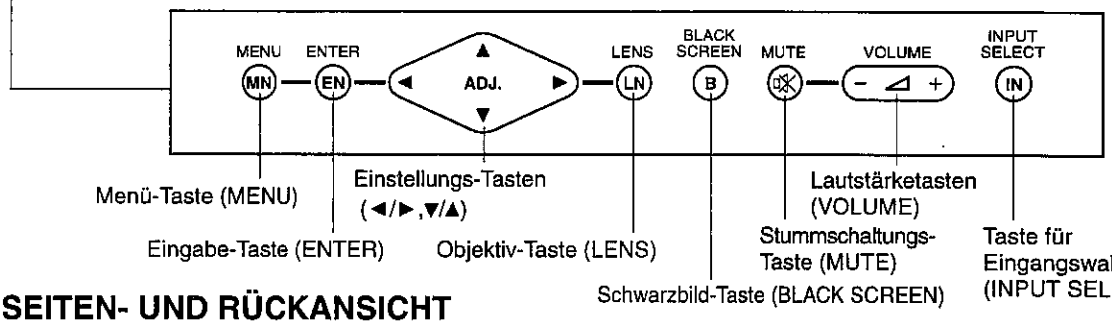
## VORDERANSICHT



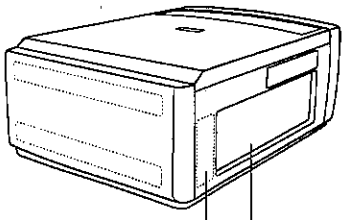

**Vorsicht:**

- Der Luftauslaß, die Abdeckung des Lampengehäuses und die Umgebung dieser Teile werden beim Betrieb des Projektors besonders heiß. Um Verletzungen zu vermeiden, sollten Sie diese Bereiche nicht berühren, bevor sie nicht ausreichend abgekühlt sind.
- Lassen Sie zwischen dem Kühlventilator (Luftauslaß) und der nächsten Wand bzw. dem nächsten Hindernis einen Zwischenraum von mindestens 10 cm.
- Falls der Kühlventilator blockiert wird, schaltet eine Schutzvorrichtung die Projektorlampe automatisch aus. Das ist normal und kein Störfall. Ziehen Sie den Netzstecker des Projektors ab und warten 10 Minuten. Stecken Sie dann den Netzstecker wieder ein. Der Projektor schaltet auf Normalbetrieb zurück.

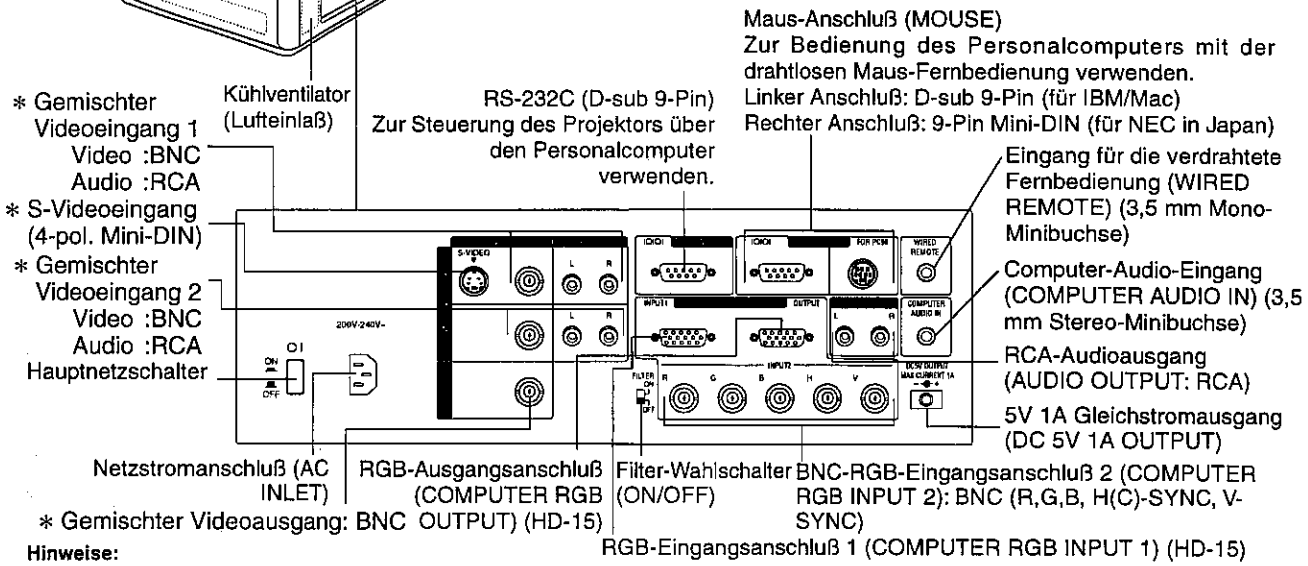
## BEDIENFELD AUF DER SEITE DES PROJEKTORS




## SEITEN- UND RÜCKANSICHT



**Hinweis:** ∗ (für XG-XV1A sowie die australischen und neuseeländischen Ausführungen von XG-XV1E)


Kühlventilator (Lufteinlaß)
∗ Gemischter Videoeingang 1
Video :BNC
Audio :RCA
∗ S-Videoeingang (4-pol. Mini-DIN)
∗ Gemischter Videoeingang 2
Video :BNC
Audio :RCA
Hauptnetzschalter
RS-232C (D-sub 9-Pin) Zur Steuerung des Projektors über den Personalcomputer verwenden.
Maus-Anschluß (MOUSE) Zur Bedienung des Personalcomputers mit der drahtlosen Maus-Fernbedienung verwenden. Linker Anschluß: D-sub 9-Pin (für IBM/Mac) Rechter Anschluß: 9-Pin Mini-DIN (für NEC in Japan)
Eingang für die verdrahtete Fernbedienung (WIRED REMOTE) (3,5 mm Mono-Minibuchse)
Computer-Audio-Eingang (COMPUTER AUDIO IN) (3,5 mm Stereo-Minibuchse)
RCA-Audioausgang (AUDIO OUTPUT: RCA)
5V 1A Gleichstromausgang (DC 5V 1A OUTPUT)
Netzstromanschluß (AC INLET)
RGB-Ausgangsanschluß (COMPUTER RGB OUTPUT) (HD-15)
Filter-Wahlschalter (ON/OFF)
BNC-RGB-Eingangsanschluß 2 (COMPUTER RGB INPUT 2): BNC (R,G,B, H(C)-SYNC, V-SYNC)
∗ Gemischter Videoausgang: BNC
RGB-Eingangsanschluß 1 (COMPUTER RGB INPUT 1) (HD-15)

**Hinweise:**

- Der 5V 1A Gleichstromausgang (DC 5V 1A OUTPUT) kann nicht mehr als 1A Leistung abgeben.
- Beim Anschluß eines Computers der Macintosh Serie, der ein C-SYNC-Signal ausgibt, sollte das Kabel am COMPUTER RGB 2 INPUT H-SYNC-Eingangsanschluß angeschlossen werden.

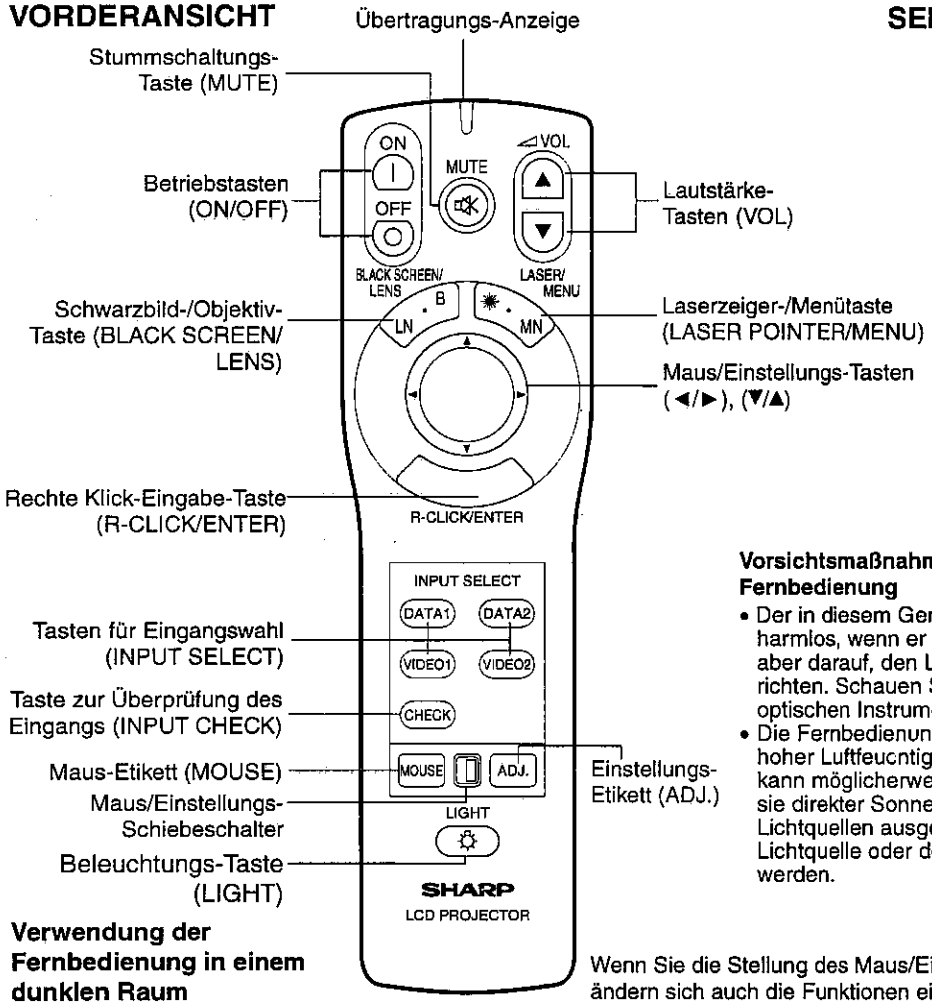
# Betrieb mit der drahtlosen Maus-Fernbedienung

Die Funktionen der Maus Ihres Personalcomputers wurden in die Fernbedienung mit eingebaut, so daß Sie sowohl Ihren Projektor als auch Ihren Personalcomputer allein über die Fernbedienung bedienen können.

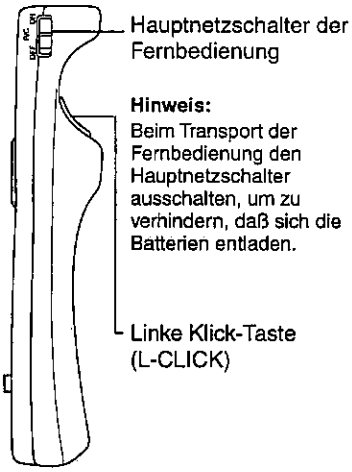
1. Schalten Sie den Hauptnetzschalter an der Seite des Gerätes ein.
2. Drücken Sie die Betriebstaste ON auf dem Bedienfeld der Fernbedienung, um das Gerät einzuschalten.
3. Wenn die Fernbedienung als drahtlose Maus verwendet werden soll, den Maus/Einstellungs-Schiebeschalter auf MAUS (MOUSE) schieben. Wenn die Fernbedienung zum Betrieb des Projektors verwendet soll, den Maus/Einstellungs-Schiebeschalter auf EINST (ADJ.) schieben. Um die Gegenlicht-Funktion der Fernbedienung zu verwenden, die Beleuchtungs-Taste (LIGHT) auf der Fernbedienung drücken. Die Farben der Tasten ändern sich, wie in der Tabelle unten auf dieser Seite gezeigt.

## Drahtlose Fernbedienung

### VORDERANSICHT




### SEITENANSICHT


Hauptnetzschalter der Fernbedienung
Hinweis:
Beim Transport der Fernbedienung den Hauptnetzschalter ausschalten, um zu verhindern, daß sich die Batterien entladen.
Linke Klick-Taste (L-CLICK)

**Vorsichtsmaßnahmen bei der Verwendung der Fernbedienung**

- Der in diesem Gerät verwendete Laserstrahl ist harmlos, wenn er auf die Haut auftrifft; achten Sie aber darauf, den Laserstrahl nicht auf die Augen zu richten. Schauen Sie auch nicht mit Hilfe eines optischen Instruments in den Laserstrahl.
- Die Fernbedienung nicht Stößen, Flüssigkeiten oder hoher Luftfeucntigkeit aussetzen. Die Fernbedienung kann möglicherweise nicht richtig funktionieren, wenn sie direkter Sonneneinstrahlung oder anderen starken Lichtquellen ausgesetzt ist. In diesem Fall sollte die Lichtquelle oder der LCD-Projektor verschoben werden.

**Verwendung der Fernbedienung in einem dunklen Raum**

- Die Beleuchtungs-Taste (LIGHT) drücken, um die Bedienungstasten ca. 5 Sekunden lang zu beleuchten. Die Gegenlichtfarben sind in der Tabelle rechts erklärt.

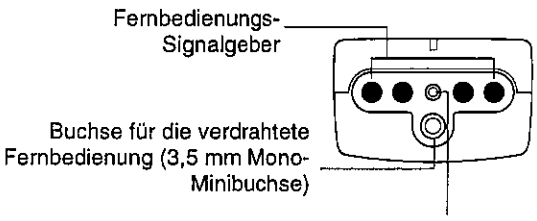
**Hinweis:**

- Wenn der Hauptnetzschalter (MAIN POWER) auf der Fernbedienung ohne Betrieb des Gerätes 10 Minuten eingeschaltet gelassen bleibt, wird das Gerät automatisch ausgeschaltet. Zum erneuten Einschalten des Gerätes die Taste auf der Fernbedienung mindestens eine Sekunden lang drücken.

Wenn Sie die Stellung des Maus/Einstellungs-Schiebeschalters ändern, ändern sich auch die Funktionen einiger Bedienungstasten auf der Fernbedienung. Welche Funktion eine bestimmte Taste gegenwärtig ausübt, können Sie an der Farbe des Gegenlichts erkennen.

| Tastenbezeichnung | Position des Maus/Einstellungs-Schiebeschalters | |
|---|---|---|
| | MOUSE | ADJ. |
| LASER/MENU | LASER (grün) | MENU (rot) |
| R-CLICK/ENTER | R-CLICK (grün) | ENTER (rot) |
| MOUSE/ADJ. | MOUSE (nicht beleuchtet) | ADJ. ◄/►, ▼/▲ (nicht beleuchtet) |
| L-CLICK | JA (nicht beleuchtet) | — |
| BLACK SCREEN/LENS | BLACK SCREEN (grün) | LENS (rot) |
| ON/OFF | JA (rot) | |
| VOL | | |
| MUTE | | |
| VIDEO 1 | | |
| VIDEO 2 | | |
| DATE 1 | | |
| DATE 2 | | |
| INPUT CHECK | | |

## ANSICHT VON OBEN

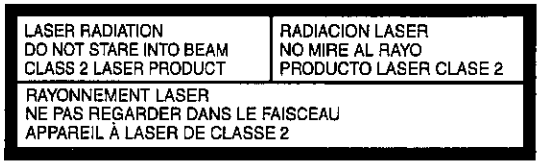



**Verwendung des als Sonderzubehör erhältlichen Kabels mit der Fernbedienung**

- Wenn die Fernbedienung aufgrund des Abstandes oder des Aufstellungsortes des Projektors (Rückprojektion, usw.) nicht verwendet werden kann, sollte das zusätzliche Kabel am Fernbedienungs-Kabelanschluß der Fernbedienung und am Fernbedienungs-Kabelanschluß auf der Seite des Projektors angeschlossen werden.

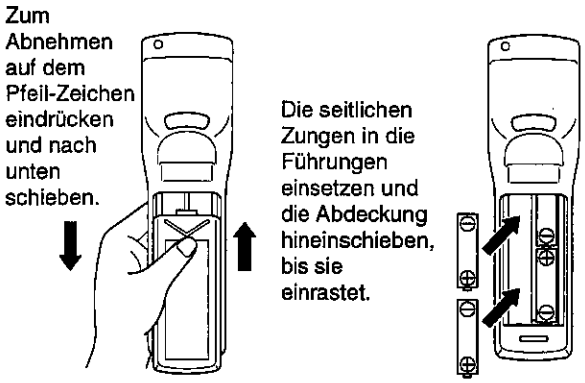
**Hinweis:**

- Wenn das als Sonderzubehör gelieferte Kabel angeschlossen ist, ist der Signalgeber funktionslos.



Die Fernbedienung verfügt über einen Laserzeiger, der einen Laserstrahl der Klasse II durch das in der Abbildung gezeigte Laserlicht-Fenster emittiert. Schauen Sie nicht direkt in den Laserstrahl und richten Sie ihn auch nicht auf andere Personen. Die beiden Markierungszeichen links sind Warnaufkleber für den Laserstrahl. Verwenden Sie den Laserstrahl nur bei Temperaturen zwischen +5 °C und +40 °C.

## RÜCKSEITE


Zum Abnehmen auf dem Pfeil-Zeichen eindrücken und nach unten schieben.
Die seitlichen Zungen in die Führungen einsetzen und die Abdeckung hineinschieben, bis sie einrastet.

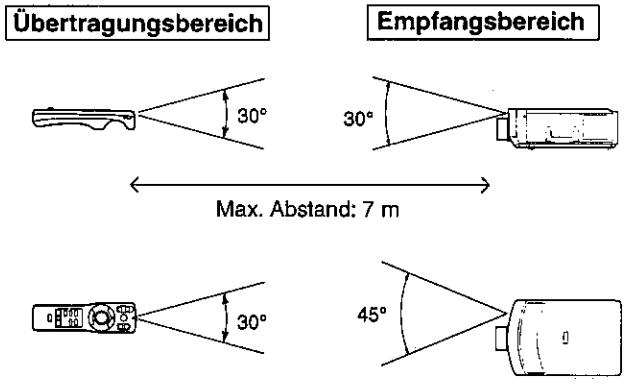
## Einsetzen der Batterien

Die Batteriefachabdeckung wie gezeigt abnehmen, vier Batterien (Größe AA) einsetzen und sicherstellen, daß die Polarität den Markierungen (+) und (–) im Batteriefach entspricht.

**Hinweise:**

Eine falsche Verwendung kann die Batterien zum Auslaufen oder Explodieren bringen.

- Die Batterien unter Beachtung der (+) und (–) Pole wie gezeigt einsetzen.
- Die Batterien aus der Fernbedienung nehmen, wenn sie für längere Zeit nicht verwendet wird.
- Die Batterien immer sauber halten.
- Unterschiedliche Batteriearten nicht zusammen verwenden. Die Lebensdauer der neuen Batterien wird dadurch verkürzt, und die alten Batterien können auslaufen.
- Verbrauchte Batterien sollten sofort entnommen werden, um Auslaufen und Beschädigungen zu vermeiden. Ausgelaufene Batterieflüssigkeit kann zu Hautirritationen führen. Ausgelaufene Batterieflüssigkeit mit einem Tuch entfernen.
- Wegen unterschiedlicher Lagerbedingungen können die mitgelieferten Batterien früher als angegeben verbraucht sein. Verbrauchte Batterien sollten so schnell wie möglich durch neue ausgetauscht werden.




## Positionierung der Fernbedienung

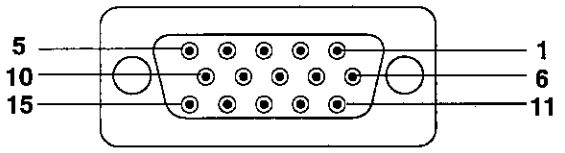
Die Fernbedienung wie links gezeigt verwenden.

**Hinweis:**

- Das Signal von der Fernbedienung kann für einen einfachen Betrieb von der Bildwand reflektiert werden. Jedoch kann der wirksame Abstand des Signals aufgrund des Bildwandmaterials Unterschiede aufweisen.

# Pinbelegung

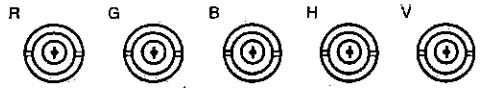
## Analoger Anschluß für RGB 1 Signalausgang und analoger RGB 1 und 2 Ausgang: 15-Pin Mini-D-Sub-Buchse




**Computereingang**
Analog

1. Videoeingang (rot)
2. Videoeingang (grün)
3. Videoeingang (blau)
4. Reserveeingang 1
5. Gemischtes Sync.-Signal (nur Mac)
6. Erdung (rot)
7. Erdung (grün)
8. Erdung (blau)
9. Nicht angeschlossen
10. MASSE
11. MASSE
12. Reserveeingang 2
13. Horizontales Sync.-Signal
14. Vertikales Sync.-Signal
15. Reserveeingang 3

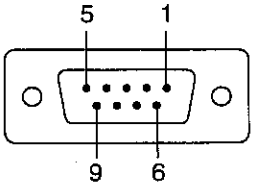
## Analoger RGB 2 Signaleingang: 5 BNC




**Computereingang**
Analog

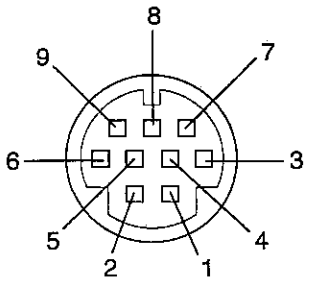
R Videoeingang (rot)
G Videoeingang (grün)
B Videoeingang (blau)
H Horizontales Sync.-Signal, Mac C-Sync.-Signal
V Vertikales Sync.-Signal

## Maus-Eingangs-Anschluß (für IBM/Mac): 9-Pin D-Sub-Buchse



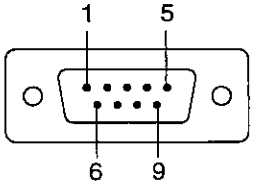

| Pin Nr. | Signal | Name | I/O | Referenz |
|---|---|---|---|---|
| 1 | CD | Carrier Detect=Trägererfassung | Eingang | An internen Schaltkreis angeschlossen |
| 2 | RD | Receive Data=Daten empfangen | Eingang | An internen Schaltkreis angeschlossen |
| 3 | SD | Send Data=Daten senden | Ausgang | An internen Schaltkreis angeschlossen |
| 4 | ER | Equipment ready=Ausrüstung betriebsbereit | Ausgang | An internen Schaltkreis angeschlossen |
| 5 | SG | Signal Ground=Signalerdung | | An internen Schaltkreis angeschlossen |
| 6 | DR | Data Set Ready=Datensatz bereit | Ausgang | Nicht angeschlossen |
| 7 | RS | Request to Send=Anforderung zum Senden | Ausgang | An internen Schaltkreis angeschlossen |
| 8 | CS | Clear to Send=Sendefreigabe | Eingang | An internen Schaltkreis angeschlossen |
| 9 | CI | Ring Indicator=Ring-Anzeige | Eingang | An internen Schaltkreis angeschlossen |

## Maus-Eingangs-Anschluß (für NEC PC98-Serie für Japan): 9-Pin Mini-DIN-Steckverbindung



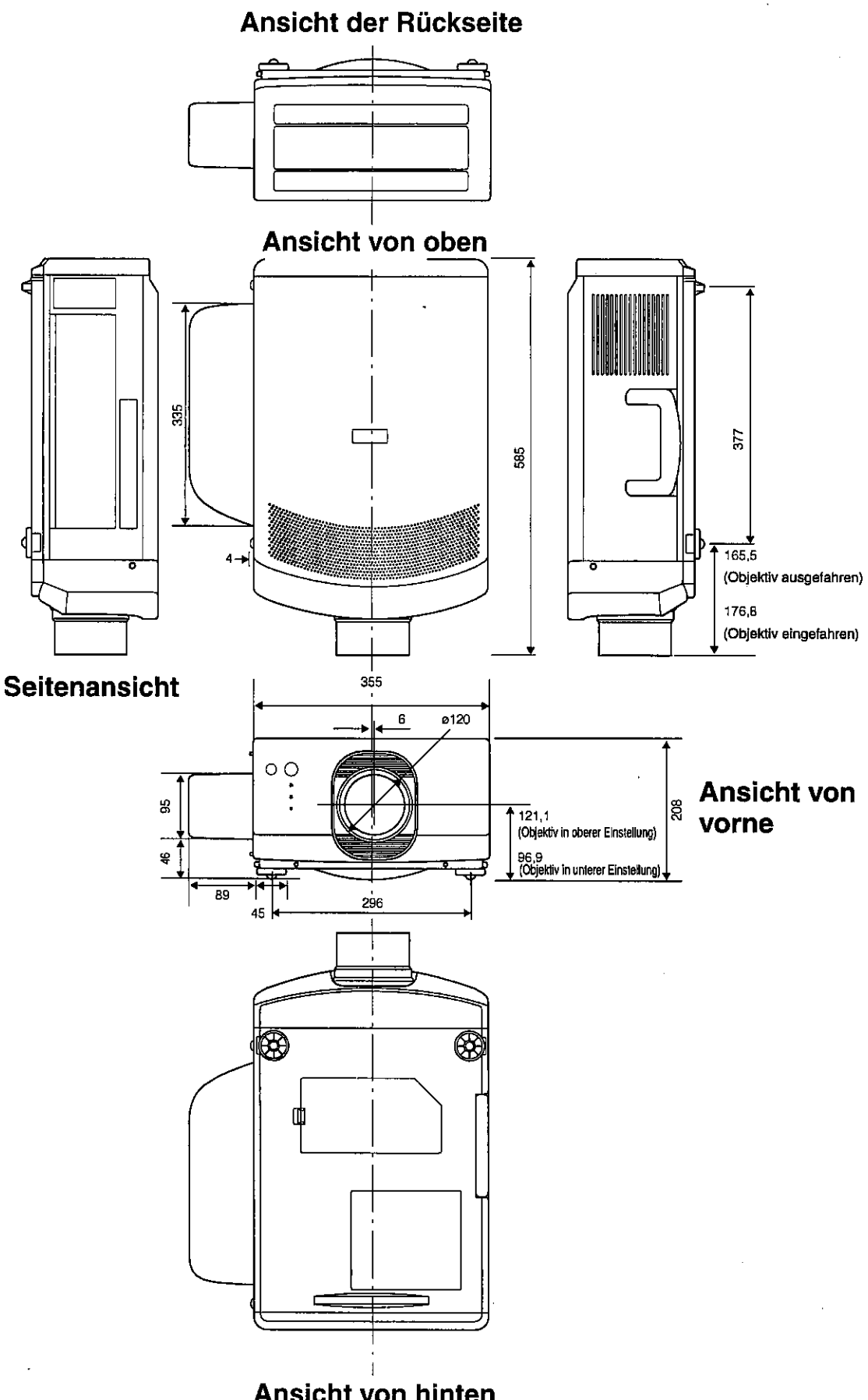

| Pin Nr. | Signal | I/O | Referenz |
|---|---|---|---|
| 1 | +5V | Eingang | Computer-Ausgang |
| 2 | XA | Eingang | Computer-Ausgang |
| 3 | XB | Eingang | Computer-Ausgang |
| 4 | YA | Eingang | Computer-Ausgang |
| 5 | YB | Eingang | Computer-Ausgang |
| 6 | LINKS | Eingang | Computer-Ausgang |
| 7 | NC | Eingang | Nicht angeschlossen |
| 8 | RECHTS | Eingang | Computer-Ausgang |
| 9 | MASSE | | Computer-Ausgang |

## RS-232C-Anschluß: 9-Pin D-Sub-Stecker




| Pin Nr. | Signal | Name | I/O | Referenz |
|---|---|---|---|---|
| 1 | CD | | | Nicht angeschlossen |
| 2 | RD | Receive Data=Daten empfangen | Eingang | An internen Schaltkreis angeschlossen |
| 3 | SD | Send Data=Daten senden | Ausgang | An internen Schaltkreis angeschlossen |
| 4 | ER | | | Nicht angeschlossen |
| 5 | SG | Signal Ground=Signalerdung | | An internen Schaltkreis angeschlossen |
| 6 | DR | Data Set Ready=Datensatz bereit | Ausgang | Nicht angeschlossen |
| 7 | RS | Request to Send=Anforderung zum Senden | Ausgang | An internen Schaltkreis angeschlossen |
| 8 | CS | | | Nicht angeschlossen |
| 9 | CI | | | Nicht angeschlossen |

# Abmessungen




[Einheit: mm]

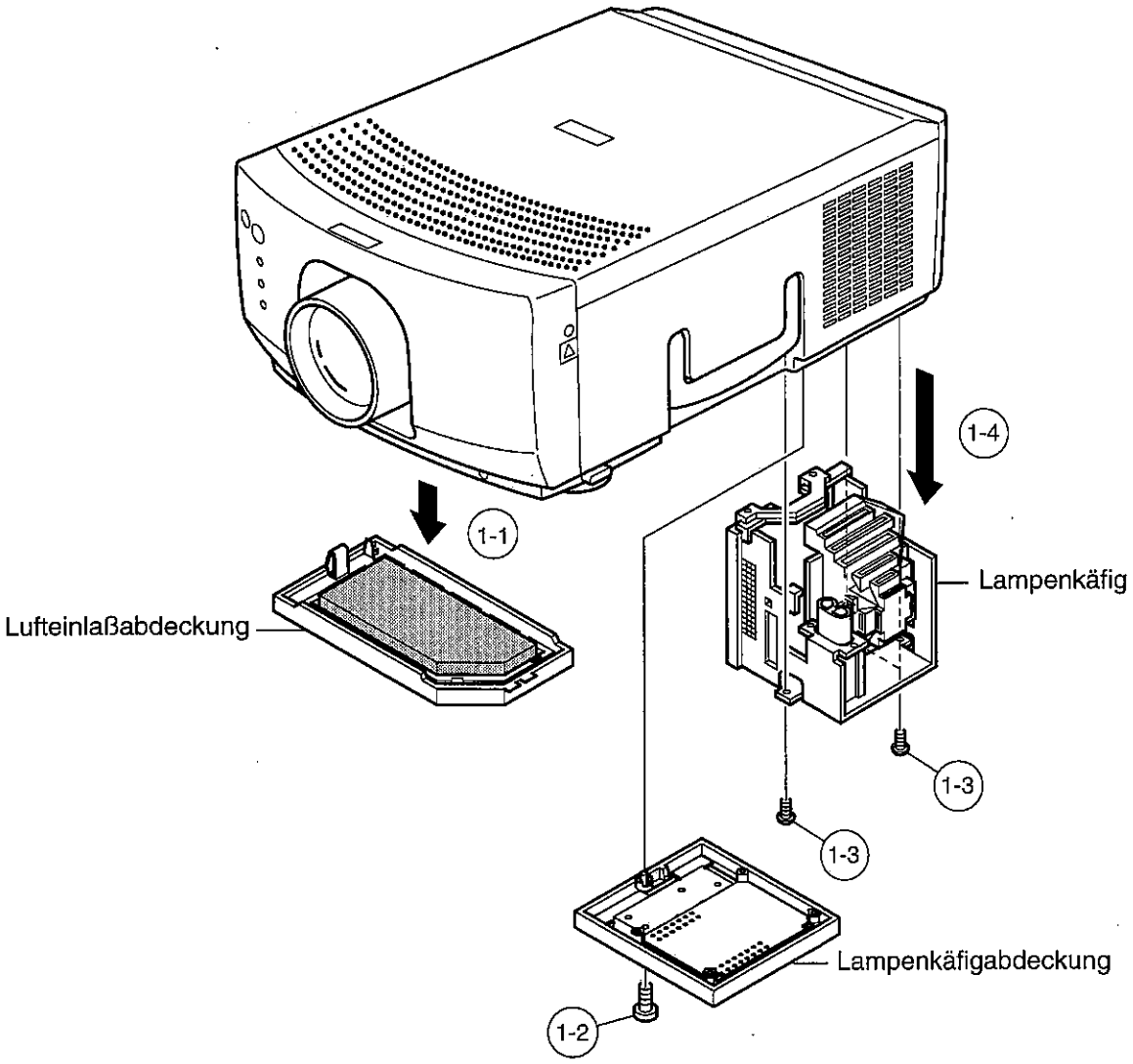
# ENTFERNEN DER HAUPTTEILE

## 1. Entfernen der Lampenkäfigeinheit und der Lufteinlaßabdeckung

1-1. Die Lufteinlaßabdeckung abnehmen.
1-2. Die Schrauben losdrehen und die Lampenkäfigabdeckung abnehmen.
1-3. Die drei Schrauben von der Lampenkäfigeinheit losdrehen.
1-4. Die Lampenkäfigeinheit abziehen.

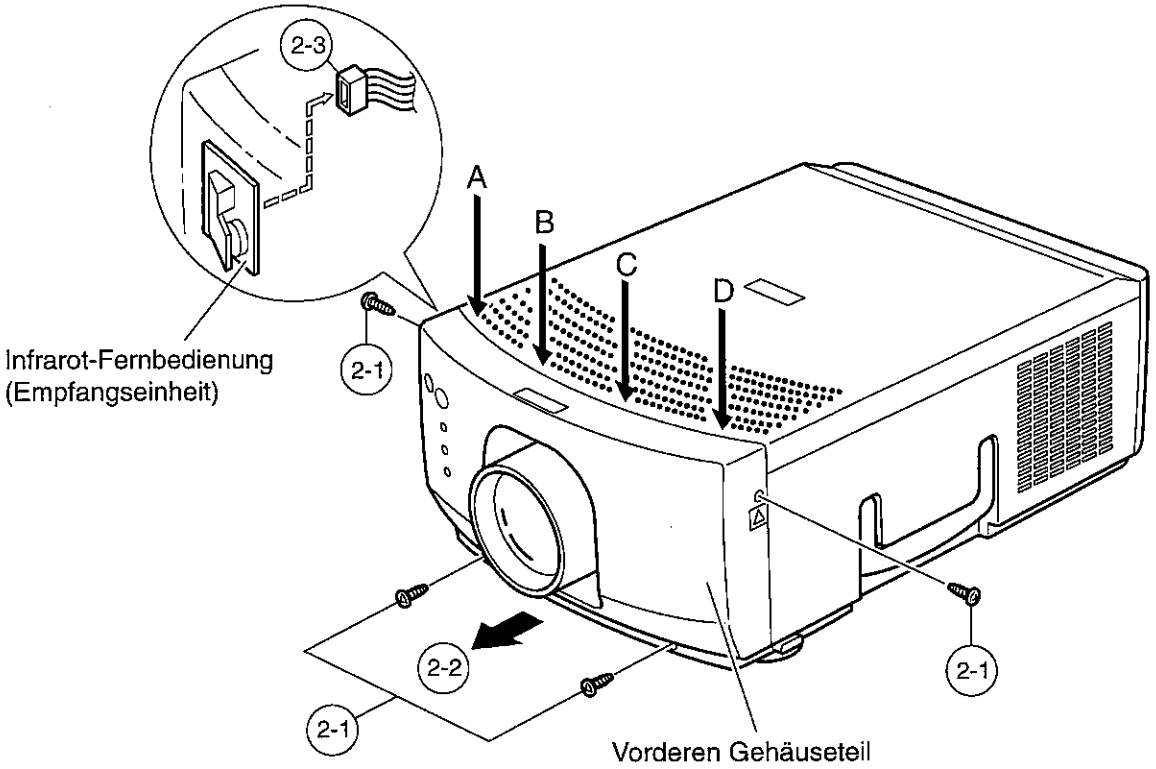
**Hinweise:**

- Vor dem Auswechseln den Betriebstaste der Projektors ausschalten, darauf acten, daß das Kühlgebläse zum Stillstand kommt, und den Netzstecker herausziehen.
- Die Lampe kann immer noch sehr heiß sein. Die Betriebstaste ausschalten, den Netzstecker herausziehen und wenigstens 1 Stunde vor dem Arbeiten warten.
- Bei Anpassen des Lampenkäfigs in Stellung darauf achten, daß sich der Stecker nach oben befindet.



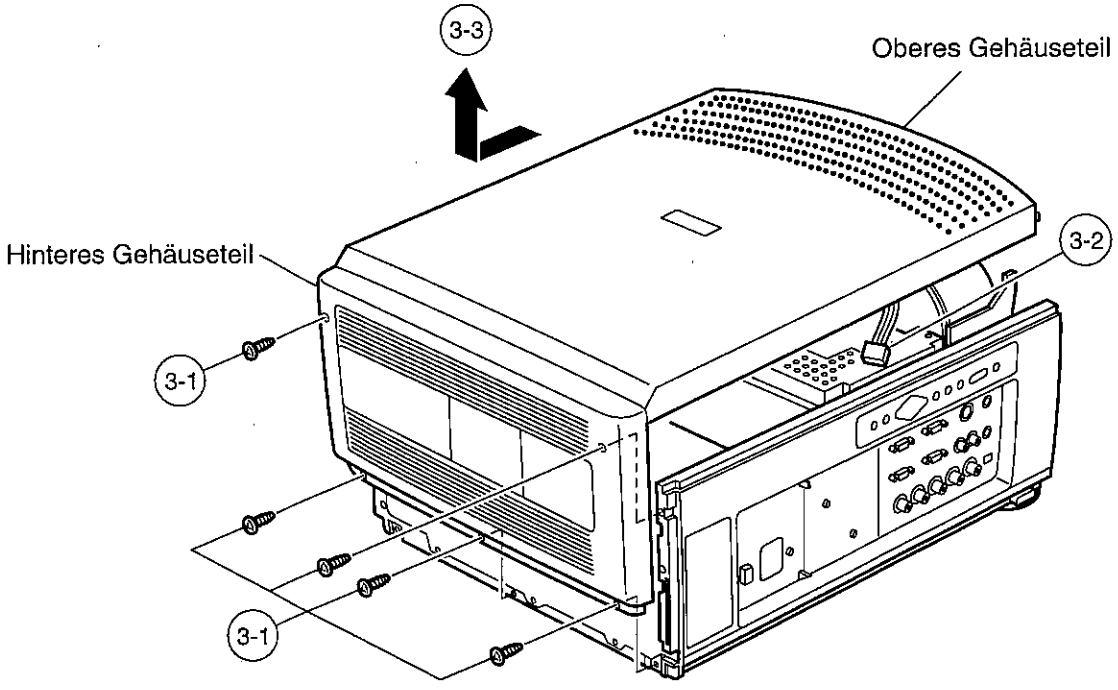
## 2. Entfernen des vorderen Gehäuseteils

2-1. Die vier rechten und linken Schrauben von der Unterseite des vorderen Gehäuseteils losdrehen.
2-2. Die Haken des oberen Gehäuseteils A, B, C, und D vorsichtig nach unten drücken, um das vordere Gehäuseteil zu lösen. Nun das vordere Gehäuseteil abnehmen.
2-3. Den Steckverbinder der Fernbedienung abziehen.



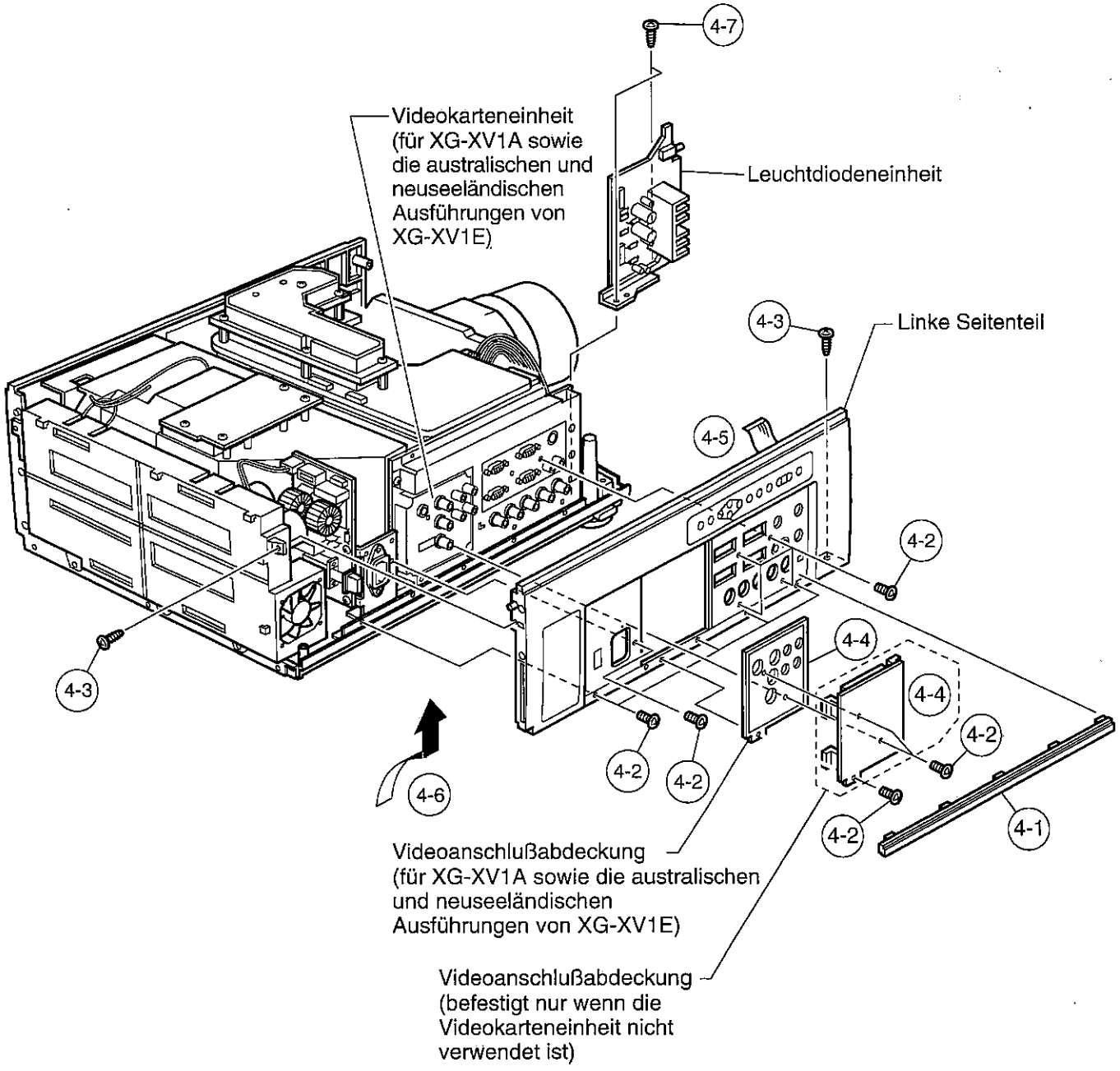

## 3. Entfernen des oberen und hinteren Gehäuseteils

3-1. Die fünf Schrauben vom oberen und dem hinteren Gehäuseteil losdrehen.
3-2. Den Lautsprecheranschluß abziehen.
3-3. Das obere Gehäuseteil zurückschieben, um das obere und hintere Gehäuseteil voneinander zu trennen.



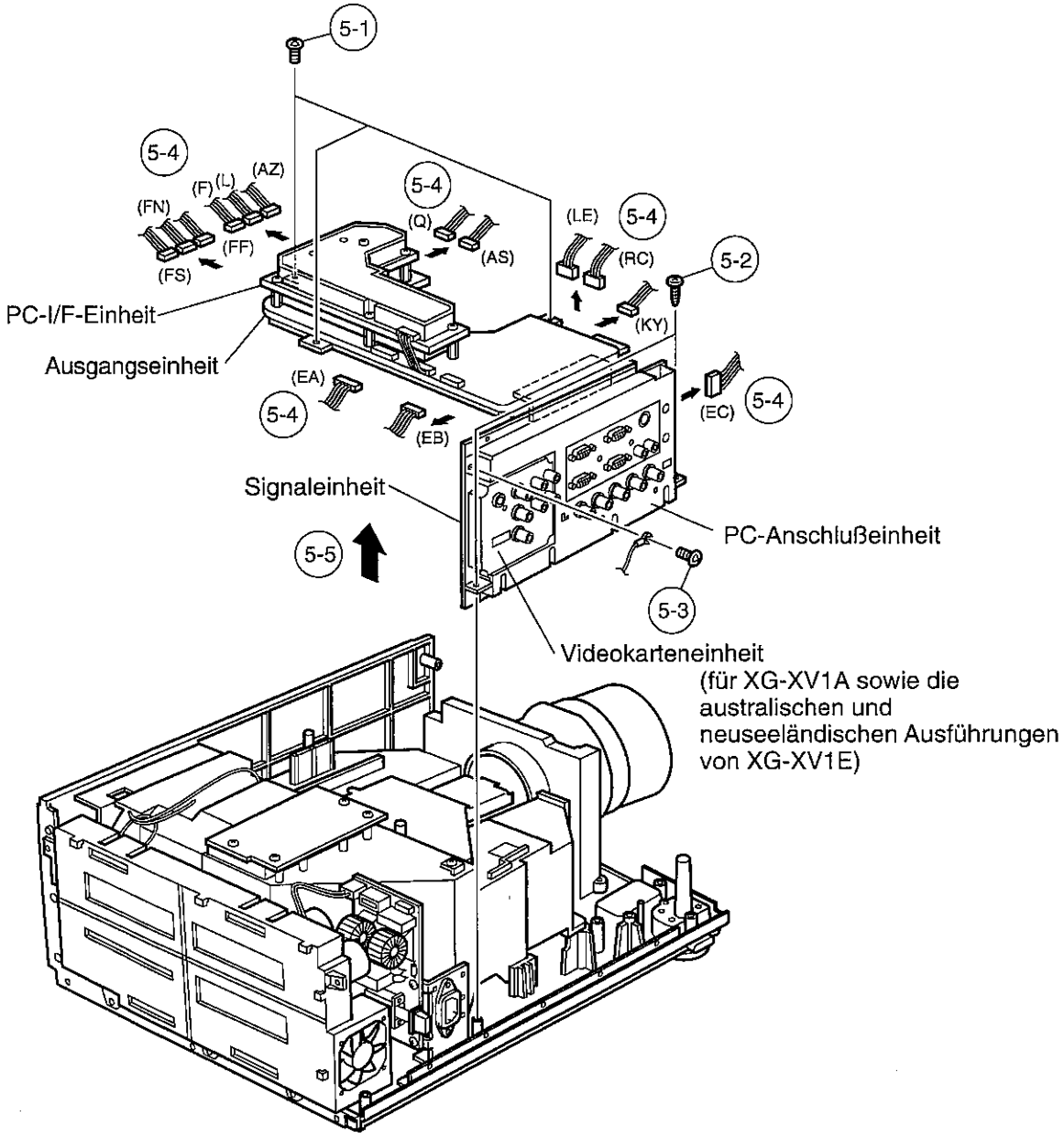
# 4. Entfernen des linken Seitenteils

4-1. Einen Flachkopf-Schraubendreher in das äußerste rechte Loch der Schraubenabdeckung einführen. Nun das rechte Ende der Abdeckung anziehen und öffnen, danach die gesamte Abdeckung anziehen und abnehmen.
4-2. Die zwölf seitlichen Schrauben losdrehen.
4-3. Die beiden Schrauben vom seitlichen Gehäuseteil losdrehen.
4-4. Die Video-Anschlußplatine abtrennen.
4-5. Den Membranschalter-Steckverbinder abziehen.
4-6. Das linke Seitenteil nach unten ziehen und entfernen.
4-7. Die beiden Schrauben von der Leuchtdioden-Platineneinheit losdrehen.



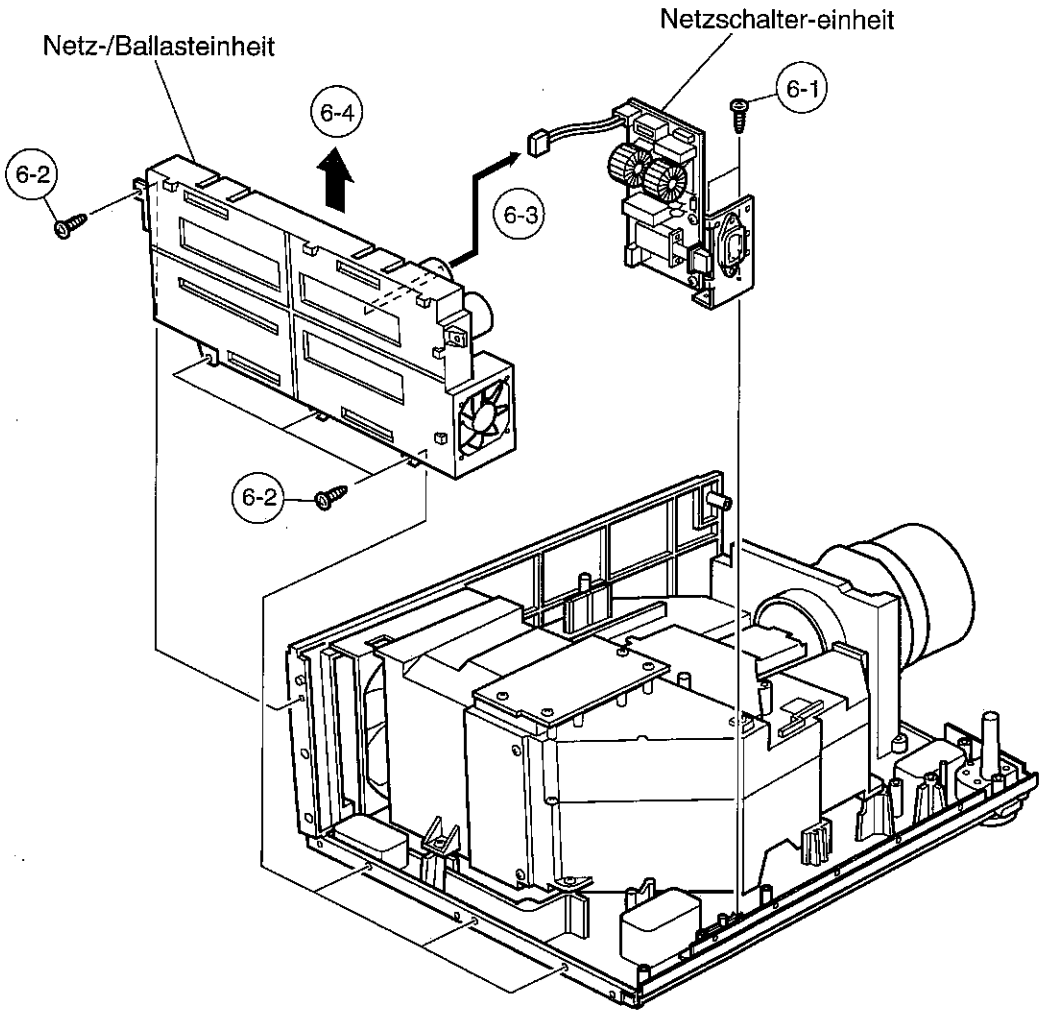
## 5. Abtrennen der Signal- und Ausgangsplatine

5-1. Die drei Schrauben von der optischen Mechanismuseinheit losdrehen.
5-2. Die beiden Schrauben vom unteren Gehäuseteil losdrehen.
5-3. Die Schraube von der Signalplatineneinheit losdrehen.
5-4. Die Steckverbinder von den Signal- und Ausgangsplatineneinheiten abziehen.
5-5. Die Platineneinheiten entfernen.



## 6. Entfernen der Netz/Ballast-Platine

6-1. Die beiden Schrauben von der Netzschalter-einheit am unteren Gehäuseteil losdrehen.
6-2. Die vier Schrauben vom Netz/Ballast-Halter losdrehen (an der Rückseite).
6-3. Die Steckverbinder abziehen.
6-4. Die Platinen entfernen.

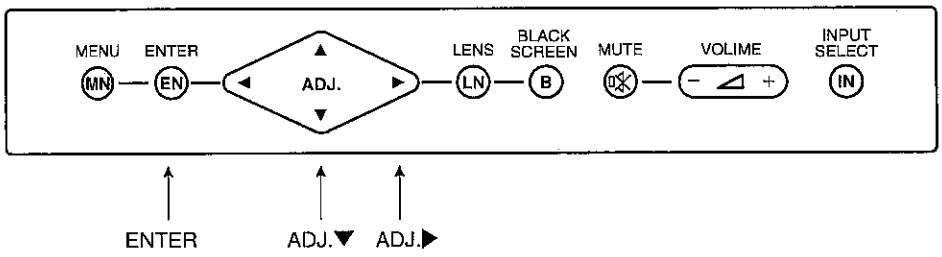


# RÜCKSTELLUNG DES LAMPEN-BETRIEBSSTUNDENZÄHLERS

**Dieses Gerät dient dazu, um die Stromzufuhr zu unterbrechen, wenn die Lampe für 1900 und 2000 Stunden betrieben wurde. Dies dient zum Schutz des Beleuchtungskörpers. Num die Lampe gegen eine neue auszuwechseln und das folgende Rückstellungsverfahren ausführen.**

## Rückstellung des Lampen-Betriebsstundenzählers

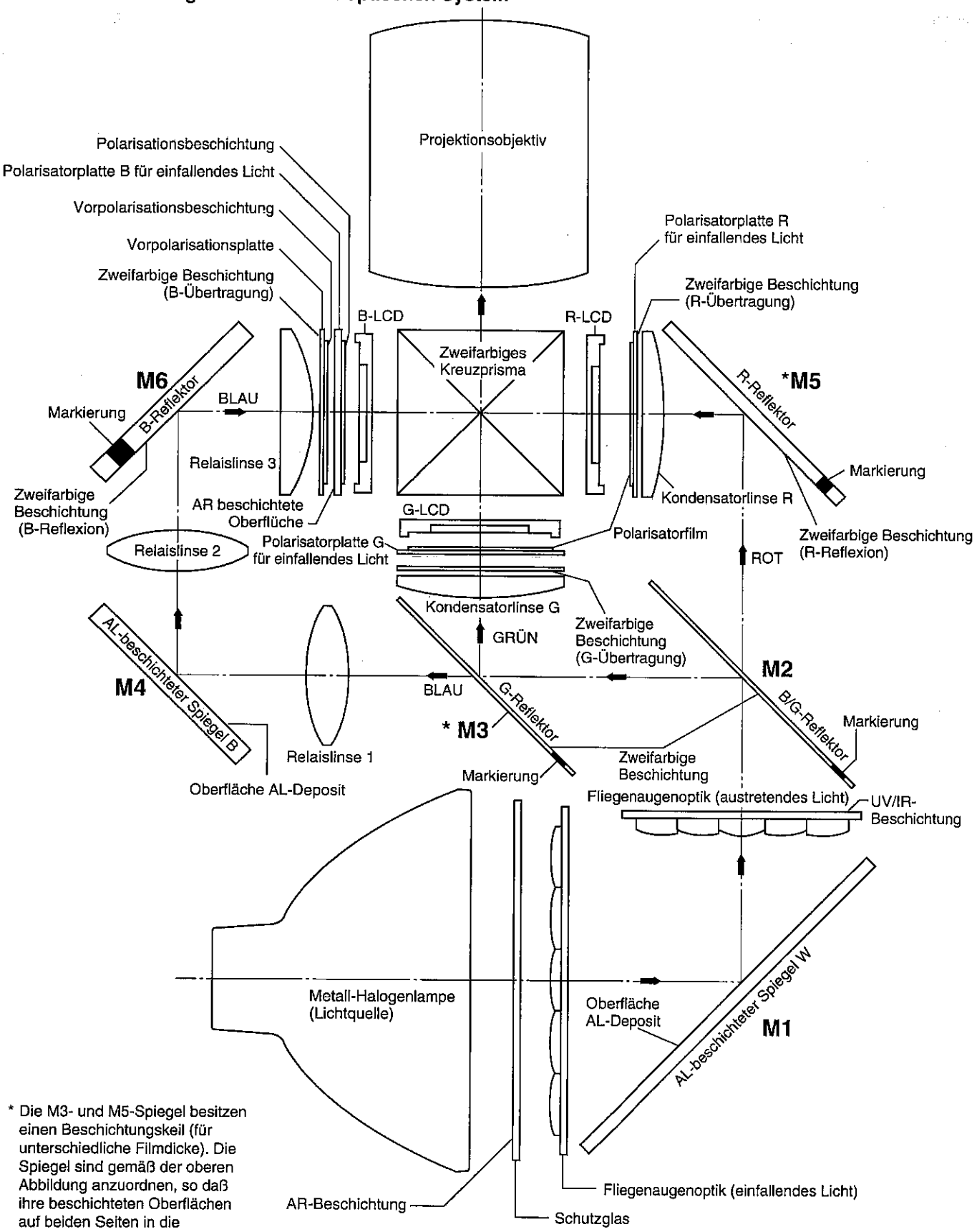
1. Die Tasten "ENTER", "ADJ.▼" und "ADJ.▶" zusammen betätigen, dann den Hauptgeräteschalter einschalten (befindet sich über dem Netzeingang).
2. Das Gerät ist somit aktiviert und der Lampen-Betriebsstundenzähler auf Null zurückgestellt. Am Bildschirm wird "000H" angezeigt.



# ÜBERSICHT DER OPTIKEINHEIT

## Übersicht des optischen Systems

**Hinweis: Anordnung der Bauteile im optischen System**




* Die M3- und M5-Spiegel besitzen einen Beschichtungskeil (für unterschiedliche Filmdicke). Die Spiegel sind gemäß der oberen Abbildung anzuordnen, so daß ihre beschichteten Oberflächen auf beiden Seiten in die korrekten Richtungen zeigen.

# EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT

- **Die Einstellarbeiten für die Konvergenz und die Brennpunkteinstellung bei entferntem oberem Gehäuseteil und Signalschild vornehmen. Das Gerät muß dabei jedoch eingeschaltet sein. Zur Bildeinstellung ist die Fernbedienungseinheit zu verwenden. Dabei sind die folgenden Verfahren anzuwenden :**

## 1. Fokussieren des Projektionsobjektivs

**(A) Auswechseln aller 3 Flüssigkristallanzeigen (LCD)**

1. Vor dem Auswechseln aller 3 Flüssigkristallanzeigen ist ein Bild auf die Leinwand zu projizieren und scharf einzustellen.
2. Die Flüssigkristallanzeigen durch neue ersetzen. Solange der Brennpunkt jedoch nicht vollständig eingestellt ist, sicherstellen, daß der Abstand zwischen dem Projektor und der Leinwand nicht verändert wird. Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.

(Wenn der Fokussierring mit einem unterschiedlichen Positionsverhältnis nachgestellt wird, wird das Verhältnis zwischen der Projektionsdistanz und der Leinwandgröße beeinflußt. Mit anderen Worten gesagt, kann ein Kurzdistanz-Bild (z.B. 40 mm Weitwinkel) außerhalb des Fokusbereichs liegen, während eine Zoomaufnahme (z.B. 300 Teleobjektiv) ebenfalls außerhalb des zulässigen Bereichs liegt.)

**(B) Auswechseln von nur 1 oder 2 Anzeigen**

1. Wenn nach dem Auswechseln von einer oder zwei LCD-Anzeigen eine Brennpunkteinstellung vorgenommen wird, ein Bild auf die Leinwand projizieren, dann Fokussierring verstellen, um die nicht ausgewechselte LCD-Anzeige in den Brennpunkt zu bringen.
2. Solange der Brennpunkt für beide neuen LCD-Anzeigen jedoch noch nicht vollständig abgeschlossen ist, unbedingt darauf achten, daß der Abstand zwischen dem Gerät und der Leinwand nicht verändert wird.

(Der Fokussierring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden. Wenn der Fokussierring verdreht oder das Projektionsobjektiv erneut eingestellt wurde, sind die obigen Schritte 1 und 2 zu wiederholen.)

## 2. Einstellen der G-LCD-Anzeige

**(A) Brennpunkteinstellung (Diese Einstellung nur auf weißer Leinwand vornehmen.)**

1. Rechte und linke Fokuseinstellung (θY-Richtung)
   Die Sicherungsschrauben "b" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "b" oder "c" einführen. Den Schraubendreher solange drehen, bis sich die linke und rechte Hälfte auf der Leinwand im Brennpunkt befinden.
2. Brennpunkteinstellung (oben - Mitte - unten) (θX- und Z-Richtung):
   Die Sicherungsschrauben "a" und "c" lockern und einen exzentrischen Schraubendreher in die Kerbe und das Loch "a" und "c" einführen. Den Schraubendreher solange drehen, bis sich die obere Hälfte, die Mitte und die untere Hälfte im Brennpunkt befinden. Bei der Einstellung des Brennpunkts (oben nach unten) ist die Sicherungsschraube "b" vorübergehend festzuziehen, um die θY-Richtungseinstellung zu fixieren.
3. Die obigen Schritte 1 und 2 wiederholen, um den Brennpunkt feineinzustellen. Schließlich sämtliche Sicherungsschrauben gut festziehen.

**Hinweis:**

① Mit der Brennpunkteinstellung vorsichtig voranschreiten, da die Einstellpositionen in gegenseitigem Bezug zueinander stehen.

② Bei der Einstellung der Konvergenz und des Brennpunkts darauf achten, daß das Zoomobjektiv und die Einstellringe bis zur Beendigung aller Einstellungen nicht verstellt werden.

**(B) Einstellung der Konvergenz**

- Die G-LCD-Anzeige besitzt keinen Konvergenz-Einstellmechanismus. Diese Anzeige als Referenz für die Konvergenzeinstellung benutzen.

## 3. Einstellung der B-LCD-Anzeige (gleich wie für R-LCD-Anzeige)

**(A) Brennpunkteinstellung**

- Das gleiche Verfahren wie bei der Brennpunkteinstellung der G-LCD-Anzeige vornehmen. Es wird darauf hingewiesen, daß der Einstellbereich in Z-Richtung klein ist. Sollten die Konvergenzwerte zwischen der B-LCD-Anzeige und der G-LCD-Anzeige zu unterschiedlich sein, die Konvergenz zuerst grobeinstellen und dann die Brennpunkteinstellung vornehmen.

**(B) Konvergenzeinstellung**

- Für diese Einstellung ist ein Kreuzschraffier-Muster zu benutzen.
  Die Einstellung ist ausschließlich für die G-Farbe und die zutreffende Farbe.
  (1) Die Konvergenz-Sicherungsschraube "d" lockern.
  (2) Die B-LCD-Anzeige in den Richtungen X, Y und θZ einstellen, wobei die Leinwandmitte der G-LCD-Anzeige als Referenz herangezogen werden muß.
  (3) Schließlich die Konvergenz-Sicherungsschraube "d" festziehen.

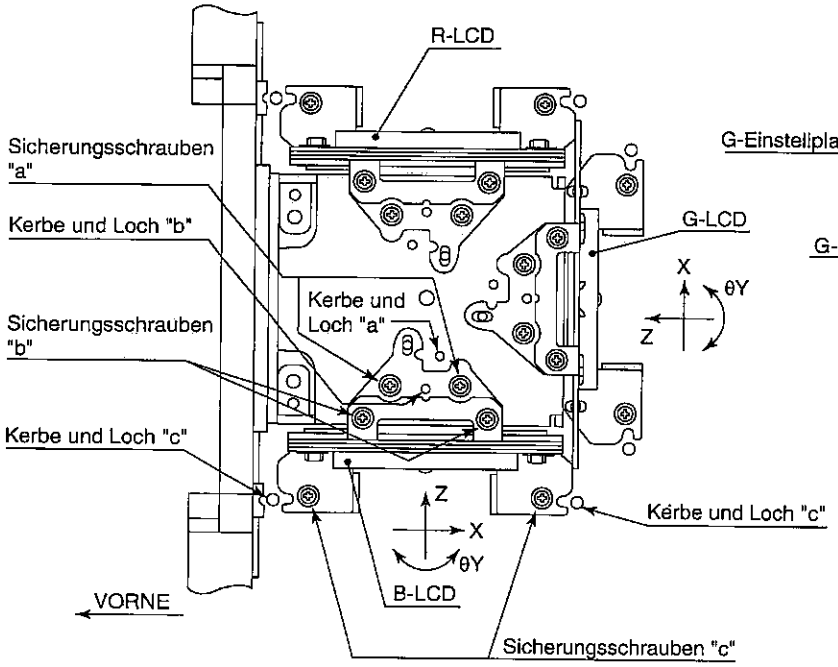
**Hinweis:**

① Der exzentrische Nocken wird für die Einstellung der Konvergenz benutzt. Das bedeutet daß sich der Nocken dreht und die Linearbewegung nicht immer gleichmäßig verläuft.

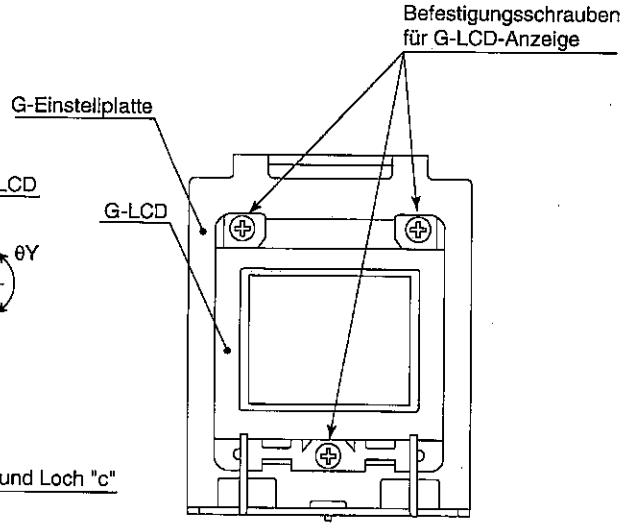
② Dieses Modell ist nicht mit einem LCD-Bildeinstellmechanismus ausgerüstst. Der Grund liegt in der Benutzung des zweifarbigen Prismas für die Bildformierung. Wenn alle LCD-Anzeigen optimal fokussiert sind, sind die Bilder fast vollständig konvergiert.

## Konvergenz- und Brennpunkt-Einstellmechanismus

**DRAUFSICHT**




**SEITENANSICHT**

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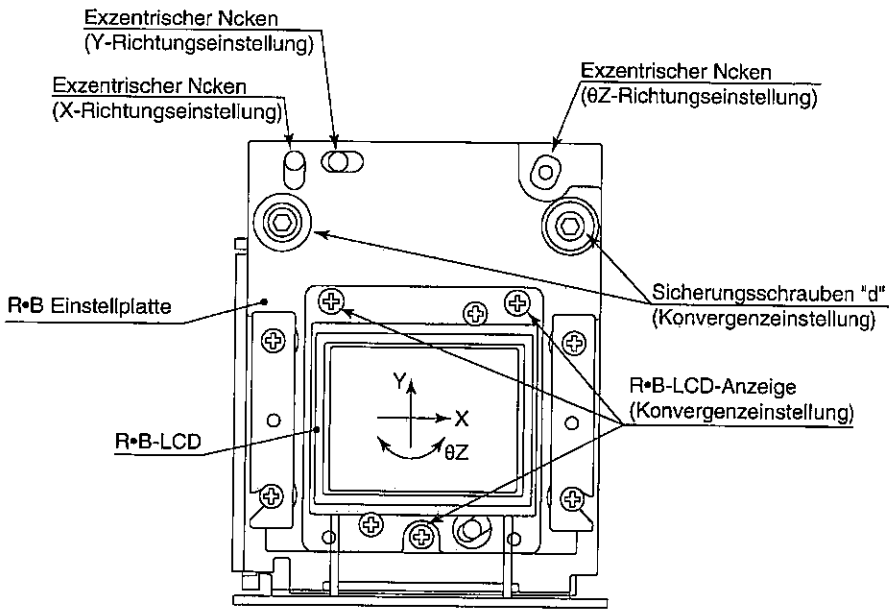


# Konvergenz- und Brennpunkteinstellungen auf einen Blick

## Einstellrichtungen

| Einstellung | Richtung | Definition | Richtung der LCD-Anzeige |
|---|---|---|---|
| Konvergenz | X-Richtung | | LCD rechts und links |
| | Y-Richtung | | LCD oben und unten |
| | θZ-Richtung | Drehung um die Z-Achse | LCD-Drehachse |
| Brennpunkt | Z-Richtung | | LCD, optische Achse |
| | θX-Richtung | Drehung um die X-Achse | LCD, oben bis unten (flattert) |
| | θY-Richtung | Drehung um die Y-Achse | LCD, rechts bis links (flattert) |

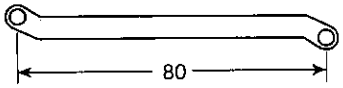
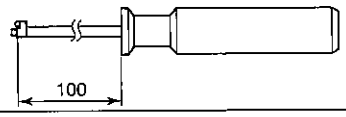
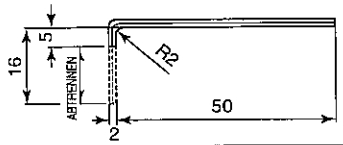
## Konvergenz- und Brennpunkteinstellung für den Optikmechanismus XG-XV1E/A

| Farbe | Einstellung | Richtung | Bewegung | Position | Einstellwerkzeug | Sicherungsschraube | Festziehwerkzeug |
|---|---|---|---|---|---|---|---|
| R/B -Farben | Konvergenz | X-Richtung | ±1mm | Exzentrischer Nocken | Einstellschlüssel für exzentrischen Nocken | d | Innensechskantschlüssel |
| | | Y-Richtung | ±1mm | Exzentrischer Nocken | Einstellschlüssel für exzentrischen Nocken | d | Innensechskantschlüssel |
| | | θZ-Richtung | ±2° | Exzentrischer Nocken | Einstellschlüssel für exzentrischen Nocken | d | Innensechskantschlüssel |
| | Brennpunkt | Z-Richtung | ±1.65mm | Kerbe und Loch "a" und "c" | Exzentrischer Schraubendreher | a, c | Kreuzschlitz -Schraubendreher |
| | | θX-Richtung | ±2° | Kerbe und Loch "a" und "c" | | a, c | |
| | | θY-Richtung | ±2° | Kerbe und Loch "b" und "c" | | b, c | |
| G-Farbe | Brennpunkt | Z-Richtung | ±0.5mm | Gleich wie für R- und B-Farben | | | |
| | | θX-Richtung | ±2° | | | | |
| | | θY-Richtung | ±2° | | | | |

## Brennpunkteinstellung in die andere Richtung

| Sicherungsschraube | Position | Zugehörige Richtung |
|---|---|---|
| a | Kerbe und Loch "a" | Richtungen Z und θX |
| b | Kerbe und Loch "b" | θY-Richtung |
| c | Kerbe und Loch "c" | Richtungen Z, θX und θY |

## Konvergenz- und Brennpunkteinstellung sowie Festziehwerkzeuge

| Werkzeug | Spezifisch oder allgemein | Werkzeugcode | Konfiguration |
|---|---|---|---|
| Exzentrischer Nockeneinstellschlüssel | spezifisch | 9DASPN-XGNV1U |   |
| Exzentrischer Schraubendreher | spezifisch | 9EQDRiVER-NV1A |   |
| Innensechskantschlüssel | allgemein (verändert) | 9EQLNC-XGNV1U |   |
| Kreuzschlitz-Schraubendreher | allgemein | — | Für Linsenrundkopfschraube M2.6 |

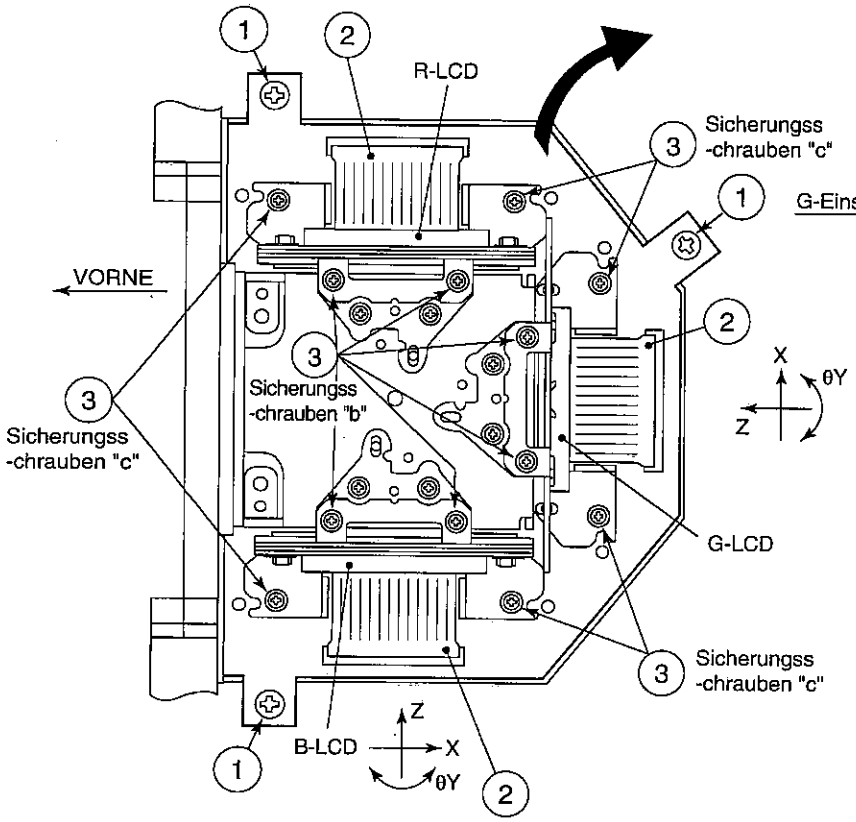
# Auswechseln der LCDs

**Bei entferntem oberen Gehäuseteil:**

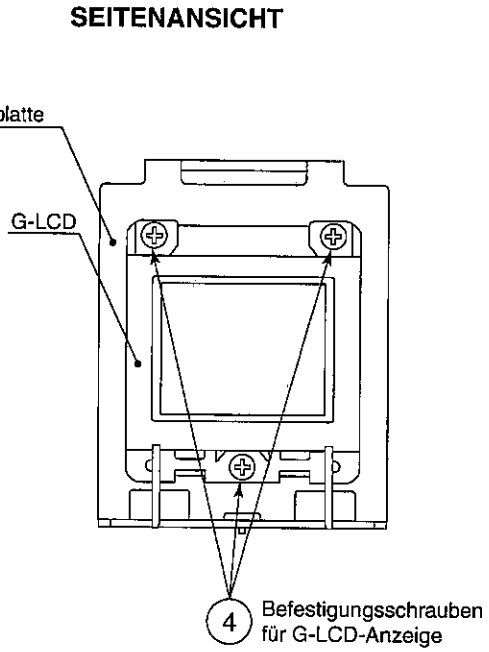
(1) Die drei Schrauben von der Ausgangseinheit-Abschirmung losdrehen.
(2) Das LCD-Flachkabel vom Platinen-Ausgangsstecker abklemmen.
(3) Die Sicherungsschrauben "b" und "c" losdrehen. Die R/B-Einstellplatte abnehmen, oder die G-Einstellplatte zusammen mit der LCD-Anzeige entfernen.
(4) Die LCD-Anzeige von der Einstellplatte trennen.
(5) Eine neue LCD-Anzeige in umgekehrter Reihenfolge der vorhergehenden Schritte (1), (2), (3) und (4) montieren.

* Die Konvergenz und den Brennpunkt erneut einstellen. Es wird darauf hingewiesen, daß die G-LCD-Anzeige keine Konvergenzeinstellung erforderlich macht und in Z-Richtung nur einen kleinen Einstellbereich aufweist.

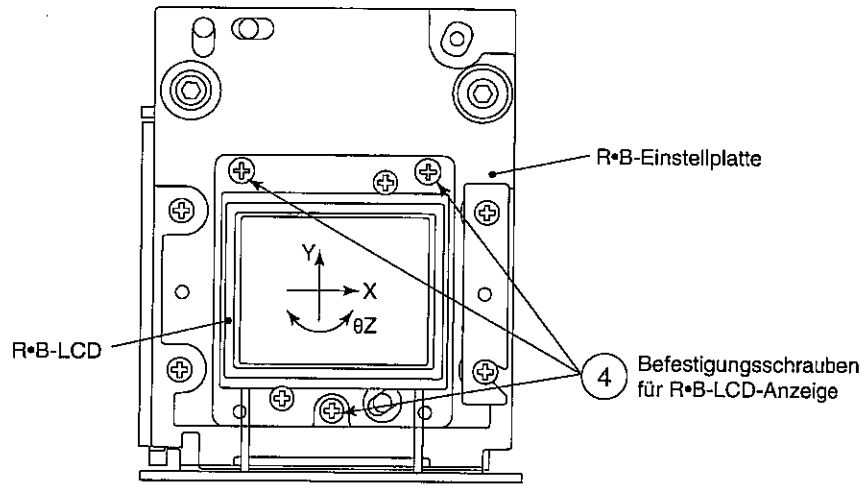
**DRAUFSICHT**




**SEITENANSICHT**



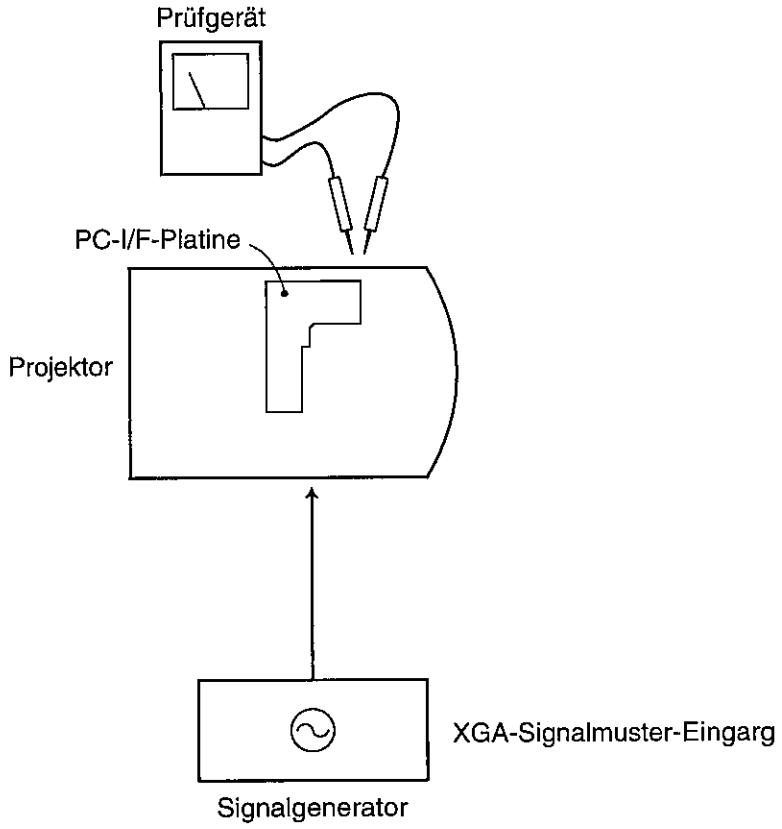

**SEITENANSICHT**



# SPANNUNGSMESSUNG

## Meßverfahren: PC-I/F-Einheit (CPCi-0023CE01)

1. Das XGA-Signalmuster vom Signalgenerator zuführen.
2. Die Spannung an allen Prüfpunkten der PC-I/F-Platine messen.

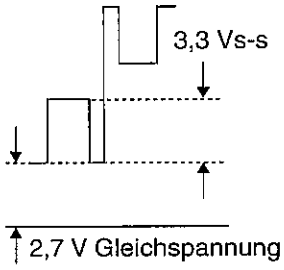
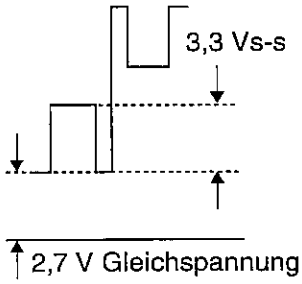


# ELEKTRISCHE EINSTELLUNGEN

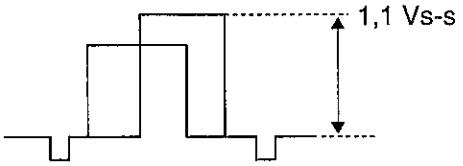
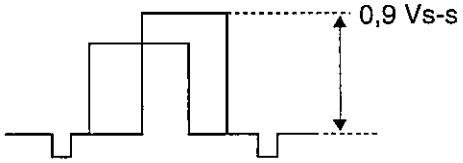
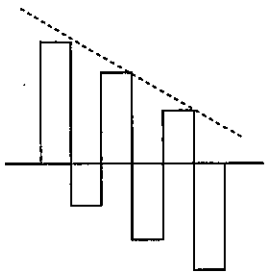
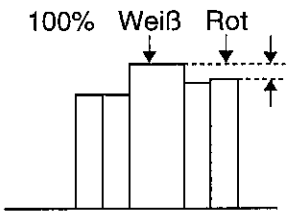
**Einen Signalgenerator bzw. einen PC oder Macintosh-Computer an den Projektor anschließen, um die Signale zuzuführen, die in den Einstellbedingungen aufgeführt sind.**

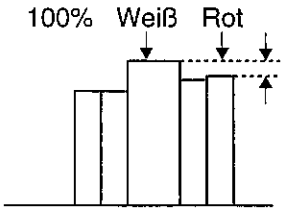
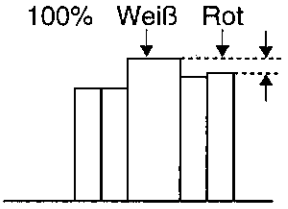
**Hinweis:** Sämtliche Einstelldaten werden durch Werkseinstellungen (FACTORY SETTING 1 oder FACTORY SETTING 2) gelöscht. Vor der Benutzung der vorherigen Einstelldaten müssen die veränderten Daten vor Einstellung der Originaldaten aufgeschrieben werden.

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 1 | **EEPROM wird initialisiert (Hinweis)** | 1. Den Netzschalter einschalten und das Gerät für ca. 15 Minuten vorwärmen lassen. (Sicherstellen, daß die Kontrollampe aufleuchtet.) | • Folgende Einstellungen vornehmen: S5001 drücken, um den Verarbeitungsmodus abzurufen, und um S2 im SSS-Menü auszuführen. Das System ist nun initialisiert (PC-Platine nicht miteingeschlossen). Um Einstellungen an der PC-Platine (Nummern 2, 3 und 4) vorzunehmen, ist S1 auszuführen. Wenn keine Veränderungen an der PC-Platine vorgenommen werden, darf S1 nicht ausgeführt werden. |
| 2 | **Helligkeitseinstellung für PC-Platine** | 1. Das XGA-Schwarzsignal zuführen.<br>2. Das Oszilloskop an TP2 anschließen.<br>3. Folgende Wahl vornehmen:<br>Gruppe : OUTPUT 2<br>Position : BRIGHT<br>4. Die Stummschalttaste drücken, um den Farbbalkentest zu löschen (wird automatisch ausgegeben). | • Den Schwarzsignalwert auf 1,7 V Gleichspannung anheben und 10 Punkte zum Einstellwert zufügen. |
| 3 | **Analog/Digital-Wandler-Bezugsspannung-seinstellung für PC-Platine** | 1. Gruppe : Analog/Digital<br>Position : ROS<br>GOS<br>BOS | • Die Pluspol-Spannung von C64 auf 1,7 V einstellen.<br>• Die Pluspol-Spannung von C57 und C50 in den Positionen GOS und BOS in ähnlicher Weise einstellen. |
| 4 | **Treibereinstellung für PC-Platine** | 1. Gruppe : Analog/Digital<br>Position : GAIN auf 163 einstellen.<br>2. Das XGA- und Grauskalensignal zuführen.<br>3. Das Oszilloskop an TP1 anschließen.<br>4. Folgende Wahl vornehmen:<br>Gruppe : Analog/Digital<br>Position : R-D | • Die Einstellung so vornehmen, daß der Weißspitzenwert des Signals 3,6 V Gleichspannung entspricht. Zu diesem Zeitpunkt sicherstellen, daß die Wellenform an der Schwarzwert- und Weißwertseite nicht deformiert sind.<br>• Einstellungen für TP2 und TP3 in den Posten G-D und fB-D in ähnlicher ausführen. |

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 5 | **Schwarzwert-Signalamplitude von RGB 1** | 1. olgende Wahl vornehmen:<br>Gruppe : OUTPUT 1<br>Position: R1-BLK<br>R1-GAIN<br>(Das Farbbalken-Testmuster wird automatisch ausgegeben.)<br>Für Grün sind die Posten G1-BLK und G1-GAIN zu wählen. Für Schwarz sind die Posten B1-BLK und B1-GAIN zu wählen.<br>2. Das Oszilloskop an Stift (5) (TP1101) von SC1101 für Rot anschließen.<br>Stift (5) (TP1201) von SC1201 für Grün<br>Stift (5) (TP1301) von SC1301 für Blau | • 1. Den Posten R1-BLK wählen und den Schwarzspitzenwert auf 2,7 ±0,1 V Gleichspannung einstellen. Hierfür den Membranschalter oder die Fernbedientaste betätigen.<br>• Als nächstes den Posten R1-GAIN wählen und die Signalamplitude auf 3,3 ±0,1 Vs-s einstellen.<br>• Die gleiche Einstellung für Grün und Blau vornehmen.<br>  |
| 6 | **Schwarzwert-Signalamplitude von RGB 2** | 1. Folgende Wahl vornehmen:<br>Gruppe : OUTPUT 2<br>Position: R2-BLK(R)<br>R2-GAIN<br>Für Grün sind die Posten G2-BLK und G2-GAIN zu wählen. Für Schwarz sind die Posten B2-BLK und B2-GAIN zu wählen.<br>2. Das Oszilloskop an Stift (6) (TP1102) von SC1101 für Rot anschließen.<br>Stift (6) (TP1202) von SC1201 für Grün<br>Stift (6) (TP1302) von SC1301 für Blau | • Den Posten R2-BLK wählen und den Schwarzspitzenwert auf 2,7 ±0,1 V Gleichspannung einstellen. Hierfür den Membranschalter oder die Fernbedientaste betätigen.<br>• Als nächstes den Posten R2-GAIN wählen und die Signalamplitude auf 3,3 ±0,1 Vs-s einstellen.<br>  <br>• Die gleiche Einstellung für Grün und Blau vornehmen.<br>• Das XGA-Einzelfarben-Abstufungsmustersignal zuführen und sicherstellen, daß kein Unterschied in der Helligkeit zwischen den benachbarten Vertikalzeilen besteht. Falls ein Helligkeitsunterschied besteht, muß die Feineinstellung anhand der folgenden Posten eingestellt werden:<br>R2-GAIN für Rot<br>G2-GAIN für Grün<br>B2-GAIN für Blau |
| 7 | **Muster- und Halteimpulsphase** | 1. Das SXGA-Schwarzwertsignal zuführen.<br>2. Folgende Wahl vornehmen:<br>Gruppe : OUTPUT 3<br>Position: SH-PHASE | • Die Einstellung mit dem Membranschalter oder der Fernbedientaste vornehmen. Dabei die Einstellung so durchführen, daß die Buchstaben am Einstellmenü am wenigsten verschwommen sind bzw. überlappen. (Die Einstellung vornehmen, wenn der Name "OUTPUT 3" erscheint und die Postenbezeichnung "SH-PHASE" noch nicht angezeigt ist.) |

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 8 | **Einstellung der RGB-Gegenspannung** | 1. Das 25%-Schwarz/Rot-Streifensignal (XGA) zuführen. Wenn dieses Mustersignal nicht vorhanden ist, muß das Horizontal-Streifensignal vom Desktop-Mustermenü gewählt werden.<br>2. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Position: RC (R) | • Die Daten einstellen, um das Bildflimmern zu reduzieren. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>• Die gleiche Einstellung für BC (B) und GC (G) vornehmen. |
| 9 | **Regenerierungseinstellung für RGB-Abstufung** | 1. Das XGA-Signalmustersignal (nur Grün; über 16 Abstufungen) zuführen. Gruppe : OUTPUT 1 Position: G1-GAIN | • Die G1-GAIN-Daten einstellen, bis die erste und zweite Abstufung geringfügig erkannt werden kann. (Zuerst den G1-GAIN-Pegel anheben, bis die Abstufung erkannt wird, dann den Pegel einstellen, indem dieser wieder abgesenkt wird. |
| 10 | **RGB-Weißbalance** | 1. Das XGA-Grauskalensignal zuführen. Gruppe : OUTPUT 1 Position: R1-BLK<br>R1-GAIN (R)<br><br>B1-BLK<br>B1-GAIN (B) | • Die Posten R1-BLK und B1-BLK wählen und die Schwarzbalance der Abstufung einstellen. Die Posten von R1-GAIN und B1-GAIN wählen und die Grau-zu-Weißbalance einstellen, so daß der gesamte Bildschirm farblos erscheint. |
| 11 | **NTSC 4fsc** | 1. Die Gruppe VIDEO 1 wählen, um jegliche Signale vom Gerät fernzuhalten.<br>2. Das Farbsystem dem N358 zufügen.<br>3. Den Frequenzzähler zwischen TP401 und GND anschließen. | • C450 soweit verstellen, daß der Frequenzzähler 14,31818 MHz ±50 Hz anzeigt. |
| 12 | **PAL 4fsc** | 1. Die Gruppe VIDEO 1 wählen, um jegliche Signale vom Gerät fernzuhalten.<br>2. Das Farbsystem dem PAL-System zufügen.<br>3. Den Frequenzzähler zwischen TP401 und GND anschließen. | • C446 soweit verstellen, daß der Frequenzzähler 17,734475 MHz ±50 Hz anzeigt. |
| 13 | **Horizontale Mitte** | 1. Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 1 Position: NTSC-H | • Die Daten so einstellen, daß sie die gleichen Randzonen aufweisen. Hierfür den Membranschalter oder die Fernbedientaste benutzen. |

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 14 | **Einstellung des Videobilds** | 1. Folgende Wahl vornehmen:<br>Gruppe : VIDEO 1<br>Position: PICTURE<br>2. Das Oszilloskop zwischen Stift (2) von P801 und GND anschließen. | • Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 1,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>  |
| 15 | **Video AVR** | 1. Das NTSC-Trennfarbbalkensignal zuführen.<br>Gruppe : VIDEO 1<br>Position: AGC<br>2. Das Oszilloskop zwischen Stift (2) von P801 und GND anschließen. | • Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf 0,9 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>  |
| 16 | **Einstellung der Bildhelligkeit** | 1. Das NTSC-Schwarzsignal zuführen.<br>Gruppe : VIDEO 1<br>Position: BRIGHT<br>2. Den Membranschalter oder die Stummschalttaste auf der Fernbedienung drücken, um die Gammakorrektur auf die Verarbeitungseinstellung einzustellen. | • 2 Punkte vom dem Pegel abziehen, wo der Schwarzsignalwert "bitlos" (gestrichelt) erscheint. Hierfür den Membranschalter oder die Fernbedientaste benutzen. |
| 17 | **Farbton** | 1. Das NTSC-Farbbalkensignal zuführen.<br>Gruppe : VIDEO 1<br>Position: TINT<br>2. Das Oszilloskop an Stift (5) von P801 anschließen. | • Die Daten so einstellen, daß die B/Y-Wellenform geradlinig abfällt.<br>  |
| 18 | **NTSC-Farbsättigungspegel** | 1. Das NTSC-Farbbalkensignal zuführen.<br>Grupp : VIDEO 1<br>Position: N-COLOR<br>2. Das Oszilloskop an Stift (1) von P801 anschließen. | • Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>  |

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 19 | **PAL-Farbsättigungspegel** | 1. Das PAL-Farbbalkensignal zuführen.<br>Gruppe : VIDEO 1<br>Position: P-COLOR<br>2. Das Oszilloskop an Stift (1) von P801 anschließen. | • Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>  |
| 20 | **SECAM-Farbsättigungspegel** | 1. Das SECAM-Farbbalkensignal zuführen.<br>Gruppe : VIDEO 1<br>Position: S-COLOR<br>2. Das Oszilloskop an Stift (1) von P801 anschließen. | • Die Differenz (100%) des Weiß- und Rotanteils auf 0,1 ±0,02 Vs-s einstellen. Hierfür den Membranschalter oder die Fernbedientaste benutzen.<br>  |
| 21 | **Video-Weißbalance** | 1. Das NTSC-Monoskopsignal zuführen.<br>Gruppe : VIDEO 2<br>Position: R1-GAIN<br>B1-GAIN | • Die Posten von R1-GAIN und B1-GAIN wählen und die Grau-zu-Weißbalance einstellen, so daß der gesamte Bildschirm farblos erscheint.<br>Wenn die schwarze Seite nicht ordnungsgemäß eingestellt ist, zuerst die schwarze Seite anhand der folgenden Wahl einstellen:<br>Gruppe : OUTPUT 1<br>Position : R1-BLK<br>B1-BLK<br>Danach die folgenden Wahl treffen:<br>Gruppe : VIDEO 2<br>Position : R1-GAIN<br>B1-GAIN<br><br>Die verwandten Daten einstellen.<br>Da die Posten R1-BLK und B1-BLK für die RGB- und VIDEO-Eingabe allgemeiner Natur sind, das RGB-Signal erneut zuführen um die Weißbalance einzustellen. |
| 22 | **Leistungsprüfung des Farbsystems** | 1. Das Farbbalkensignal empfangen. | • Im Verarbeitungsmodus L1 anwählen. Die Farbe und die Tönung überprüfen. |
| 23 | **Leistungsprüfung des Videosystems** | 1. Das Monoskopsignal empfangen. | • Im Verarbeitungsmodus L2 anwählen. Die Farbe und die Tönung überprüfen. |

| Nr. | Einstellgegenstand | Einstellbedingungen | Einstellverfahren |
|---|---|---|---|
| 24 | **Leistungsprüfung des Audiosystems** | | • Im Verarbeitungsmodus L3 anwählen. Baß, Höhen und Balance überprüfen. |
| 25 | **RGB-Leistungsprüfung** | 1. Das RGB-Signal empfangen. | • Im Verarbeitungsmodus L4 anwählen. Bild, Helligkeit, Rot, Blau, Takt, Phase, Horizontal- und Vertikalposition überprüfen. |
| 26 | **Leistungsprüfung Off-Timer** | | • Im Verarbeitungsmodus OFF anwählen. Sicherstellen, daß der Off-Timer bei "5" (Minuten) beginnt, jede Minute in 1 sec Intervallen herunterzählt und das Gerät bei "0" ausschaltet. |
| 27 | **Einstellung für Objektivverstellung** | 1. Gruppe : LENS<br>Position : LENS AUTO | • Die Objektiv-Mittelposition einstellen (Objektivmitte kommt zur △ -Marke an der vorderen Gehäuseseite).<br>• Wenn die ENTER-Taste nach der Wahl der LENS AUTO-Position gedrückt wird, werden die Daten automatisch zugeführt. |
| 28 | **Werkseinstellungen** | | • S4 der Gruppe SSS ausführen, um die Werkseinstellungen zu erhalten. |

## • Verarbeitungs-Einstellmodusmenü

**(Wahltaste: Stummschalttaste)**

1) Hauptmenü

| ADJ IN Ver. 0.1 |
|---|
| A/D |
| OUTPUT 1 |
| OUTPUT 2 |
| OUTPUT 3 |
| VIDEO 1 |
| VIDEO 2 |
| LINE |
| SSS |
| PATTERN |
| LENS |

2) Analog/Digital-Menü

| A/D | |
|---|---|
| ROS | 128 |
| GOS | 128 |
| BOS | 128 |
| GAIN | 128 |
| R-D | 128 |
| B-D | 128 |
| G-D | 128 |

Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb. (Anfängliche Einstellung: ON)

3) OUTPUT 1-Menü

| OUTPUT 1 | |
|---|---|
| R1-BLK | 128 |
| R1-GAIN | 128 |
| G1-BLK | 128 |
| G1-GAIN | 128 |
| B1-BLK | 128 |
| B1-GAIN | 128 |

Dieses Menü dient zur Wahl der ON/ OFF-Farbbalken-Musteranzeige. (Anfängliche Einstellung: ON)

4) OUTPUT 2-Menü

| OUTPUT 2 | |
|---|---|
| R1-BLK | 128 |
| R1-GAIN | 128 |
| G1-BLK | 128 |
| G1-GAIN | 128 |
| B1-BLK | 128 |
| B1-GAIN | 128 |

Dieses Menü dient zur Wahl der ON/ OFF-Farbbalken-Musteranzeige. (Anfängliche Einstellung: ON)

5) OUTPUT 3-Menü

| OUTPUT 3 | |
|---|---|
| RC | 128 |
| GC | 128 |
| BC | 128 |
| SH-PHASE | 8 |
| RCK-PHASE | 8 |
| GCK-PHASE | 8 |
| BCK-PHASE | 8 |

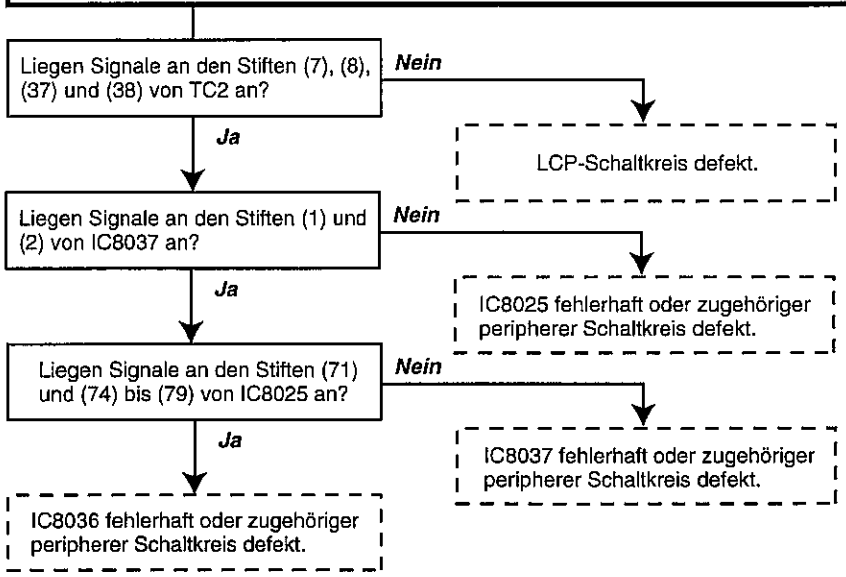
6) VIDEO 1-Menü

| VIDEO 1 | |
|---|---|
| NTSC-H | 32 |
| PICTURE | 128 |
| AGC | 128 |
| BRIGHT | 128 |
| TINT | 128 |
| N-COLOR | 128 |
| P-COLOR | 128 |
| S-COLOR | 128 |

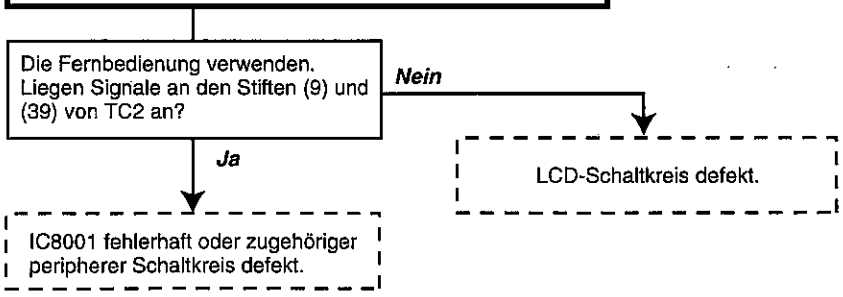
Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb. (Anfängliche Einstellung: OFF)

# FEHLERSUCHTABELLE (Fortsetzung)

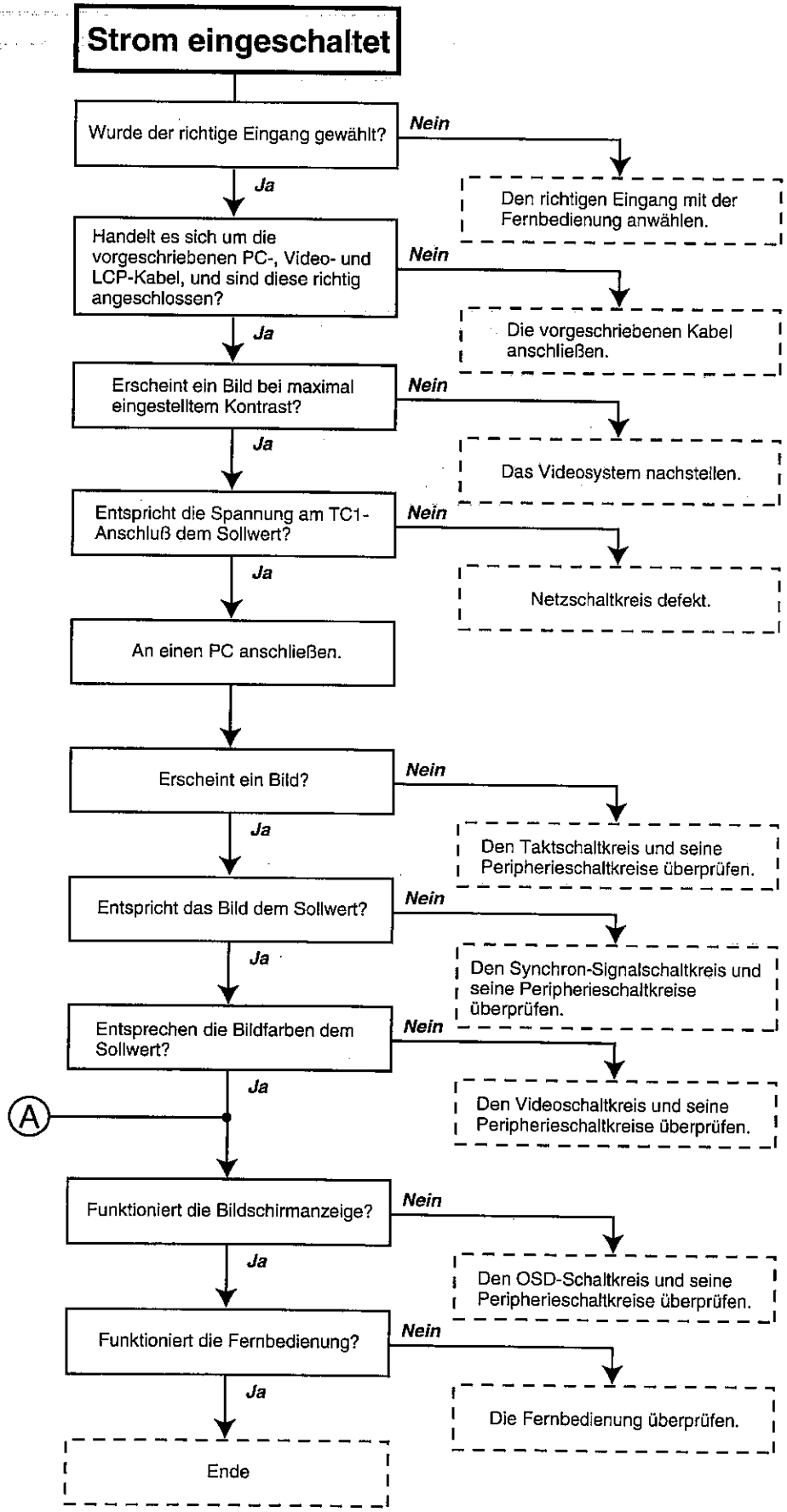
## Überprüfung für OSD-Schaltkreis und seiner Peripherieschaltkreise


Liegen Signale an den Stiften (7), (8), (37) und (38) von TC2 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (1) und (2) von IC8037 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (71) und (74) bis (79) von IC8025 an?
Nein
IC8037 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
IC8036 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.

## Überprüfung der Fernbedienung

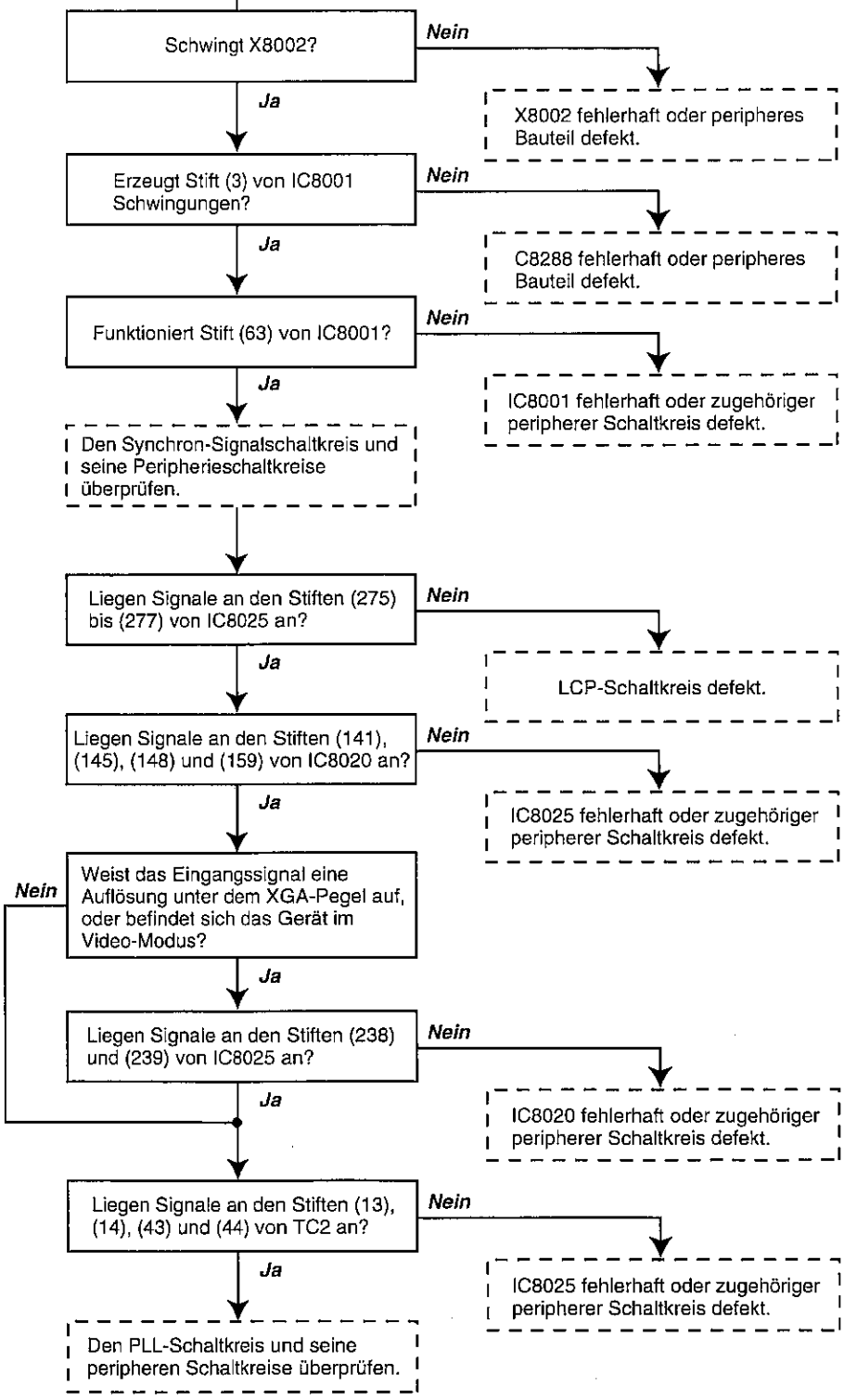

Die Fernbedienung verwenden. Liegen Signale an den Stiften (9) und (39) von TC2 an?
Nein
LCD-Schaltkreis defekt.
Ja
IC8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.

# FEHLERSUCHTABELLE



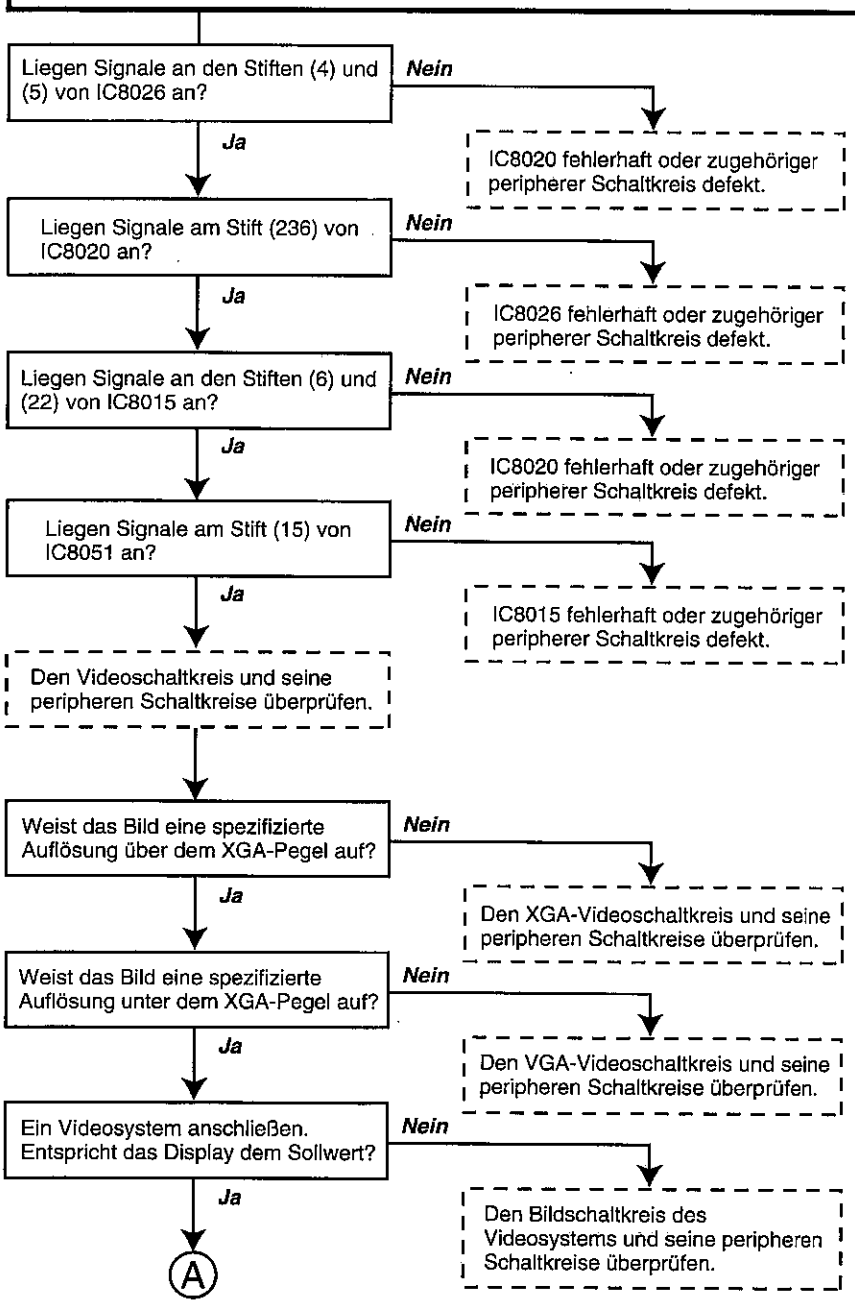
# FEHLERSUCHTABELLE (Fortsetzung)

## Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise

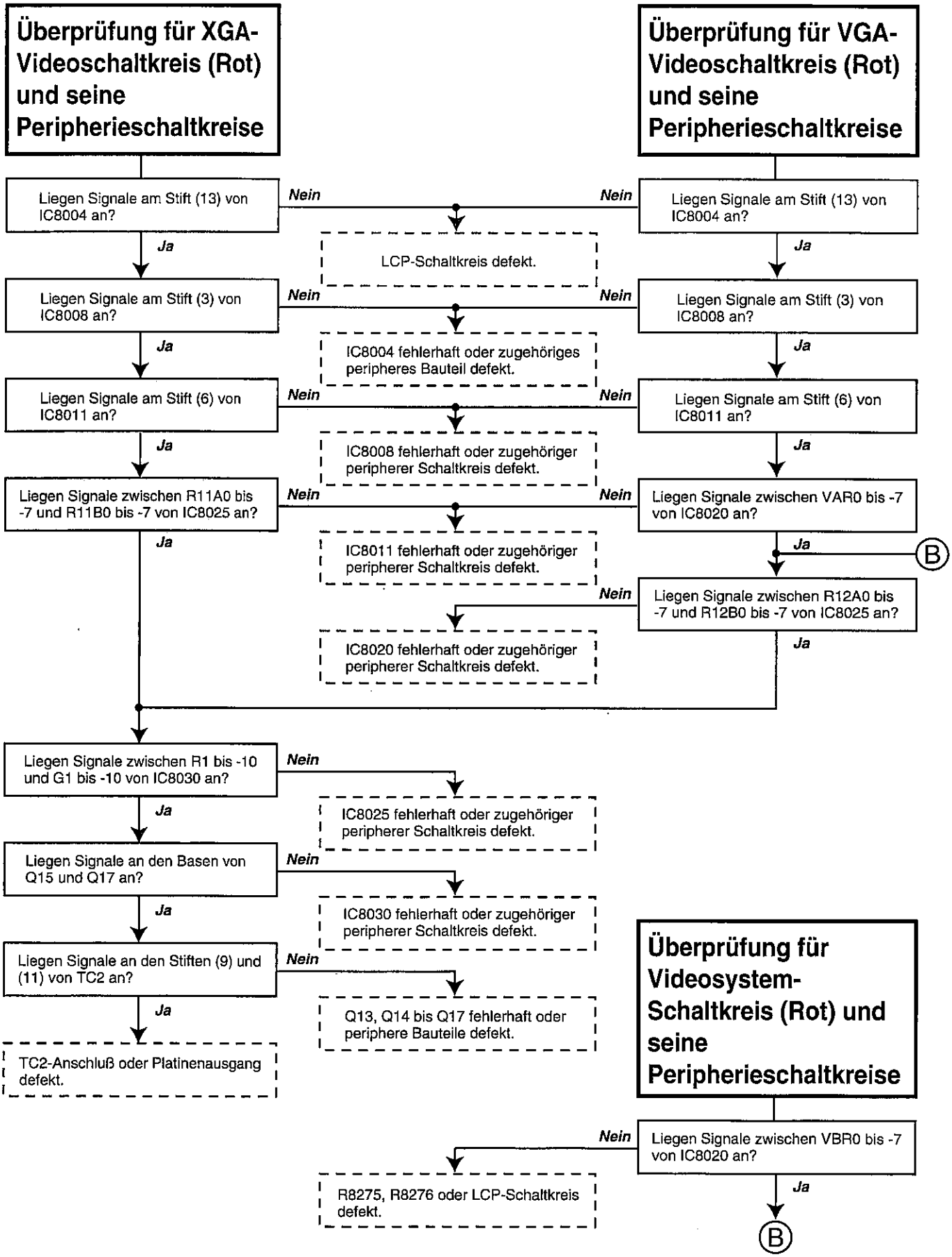

Schwingt X8002?
Nein
X8002 fehlerhaft oder peripheres Bauteil defekt.
Ja
Erzeugt Stift (3) von IC8001 Schwingungen?
Nein
C8288 fehlerhaft oder peripheres Bauteil defekt.
Ja
Funktioniert Stift (63) von IC8001?
Nein
IC8001 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den Synchron-Signalschaltkreis und seine Peripherieschaltkreise überprüfen.
Liegen Signale an den Stiften (275) bis (277) von IC8025 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (141), (145), (148) und (159) von IC8020 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Weist das Eingangssignal eine Auflösung unter dem XGA-Pegel auf, oder befindet sich das Gerät im Video-Modus?
Nein
Ja
Liegen Signale an den Stiften (238) und (239) von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (13), (14), (43) und (44) von TC2 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den PLL-Schaltkreis und seine peripheren Schaltkreise überprüfen.

# FEHLERSUCHTABELLE (Fortsetzung)

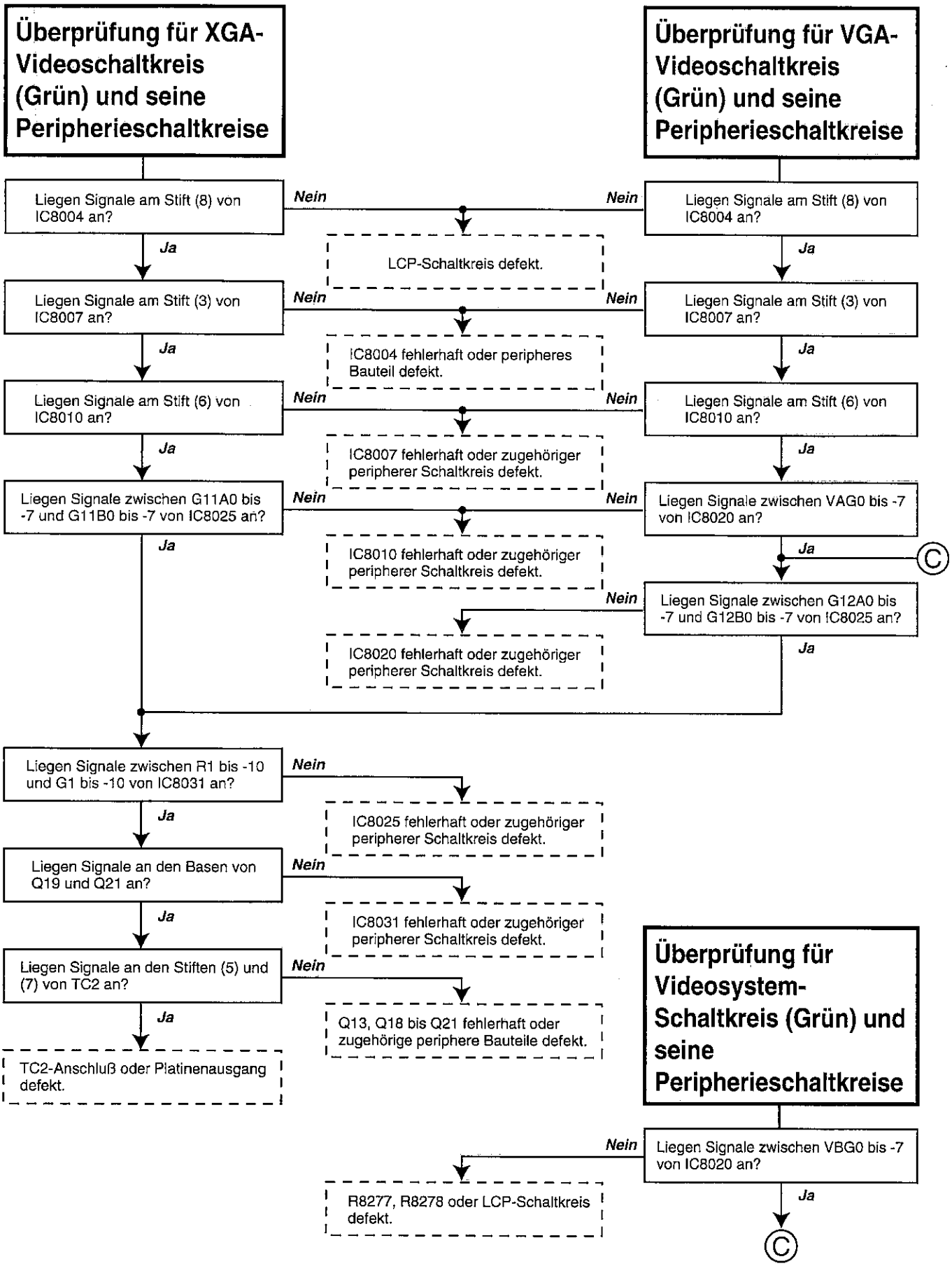
## Überprüfung für PLL-Schaltkreis und seine Peripherieschaltkreise


Liegen Signale an den Stiften (4) und (5) von IC8026 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (236) von IC8020 an?
Nein
IC8026 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (6) und (22) von IC8015 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (15) von IC8051 an?
Nein
IC8015 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Den Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Weist das Bild eine spezifizierte Auflösung über dem XGA-Pegel auf?
Nein
Den XGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Ja
Weist das Bild eine spezifizierte Auflösung unter dem XGA-Pegel auf?
Nein
Den VGA-Videoschaltkreis und seine peripheren Schaltkreise überprüfen.
Ja
Ein Videosystem anschließen. Entspricht das Display dem Sollwert?
Nein
Den Bildschaltkreis des Videosystems und seine peripheren Schaltkreise überprüfen.
Ja
A

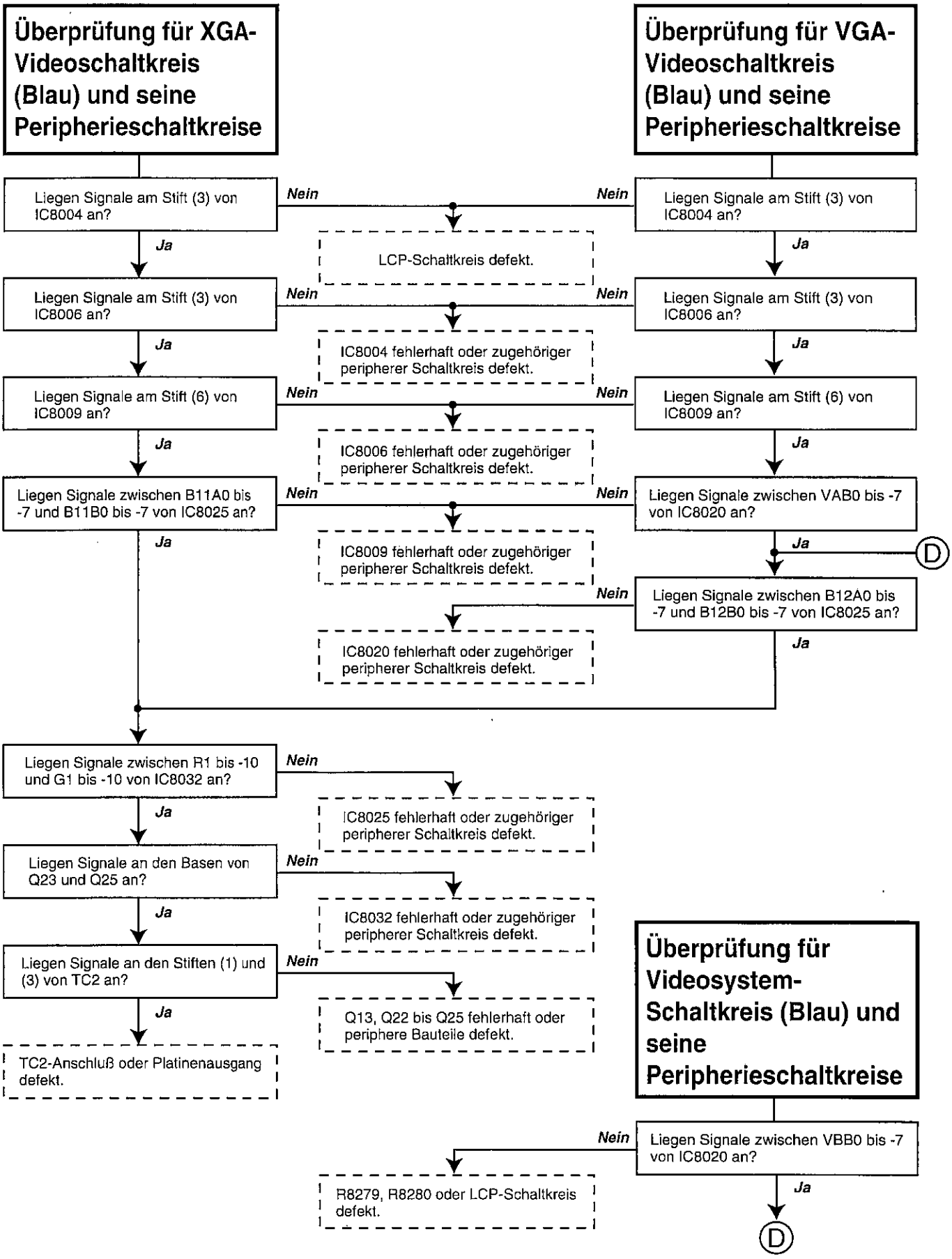
# FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale am Stift (13) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8008 an?
Nein
IC8004 fehlerhaft oder zugehöriges peripheres Bauteil defekt.
Ja
Liegen Signale am Stift (6) von IC8011 an?
Nein
IC8008 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R11A0 bis -7 und R11B0 bis -7 von IC8025 an?
Nein
IC8011 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8030 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q15 und Q17 an?
Nein
IC8030 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (9) und (11) von TC2 an?
Nein
Q13, Q14 bis Q17 fehlerhaft oder periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale am Stift (13) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8008 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8011 an?
Nein
Ja
Liegen Signale zwischen VAR0 bis -7 von IC8020 an?
Nein
Ja
B
Liegen Signale zwischen R12A0 bis -7 und R12B0 bis -7 von IC8025 an?
Nein
Ja
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Überprüfung für Videosystem-Schaltkreis (Rot) und seine Peripherieschaltkreise
Liegen Signale zwischen VBR0 bis -7 von IC8020 an?
Nein
Ja
B
R8275, R8276 oder LCP-Schaltkreis defekt.

# FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale am Stift (8) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8007 an?
Nein
IC8004 fehlerhaft oder peripheres Bauteil defekt.
Ja
Liegen Signale am Stift (6) von IC8010 an?
Nein
IC8007 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen G11A0 bis -7 und G11B0 bis -7 von IC8025 an?
Nein
IC8010 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8031 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q19 und Q21 an?
Nein
IC8031 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (5) und (7) von TC2 an?
Nein
Q13, Q18 bis Q21 fehlerhaft oder zugehörige periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale am Stift (8) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8007 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8010 an?
Nein
Ja
Liegen Signale zwischen VAG0 bis -7 von IC8020 an?
Nein
Ja
Liegen Signale zwischen G12A0 bis -7 und G12B0 bis -7 von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Überprüfung für Videosystem-Schaltkreis (Grün) und seine Peripherieschaltkreise
Liegen Signale zwischen VBG0 bis -7 von IC8020 an?
Nein
R8277, R8278 oder LCP-Schaltkreis defekt.
Ja
Ⓒ
Ⓒ

# FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung für XGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale am Stift (3) von IC8004 an?
Nein
LCP-Schaltkreis defekt.
Ja
Liegen Signale am Stift (3) von IC8006 an?
Nein
IC8004 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale am Stift (6) von IC8009 an?
Nein
IC8006 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen B11A0 bis -7 und B11B0 bis -7 von IC8025 an?
Nein
IC8009 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale zwischen R1 bis -10 und G1 bis -10 von IC8032 an?
Nein
IC8025 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Basen von Q23 und Q25 an?
Nein
IC8032 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Liegen Signale an den Stiften (1) und (3) von TC2 an?
Nein
Q13, Q22 bis Q25 fehlerhaft oder periphere Bauteile defekt.
Ja
TC2-Anschluß oder Platinenausgang defekt.
Überprüfung für VGA-Videoschaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale am Stift (3) von IC8004 an?
Nein
Ja
Liegen Signale am Stift (3) von IC8006 an?
Nein
Ja
Liegen Signale am Stift (6) von IC8009 an?
Nein
Ja
Liegen Signale zwischen VAB0 bis -7 von IC8020 an?
Nein
Ja
D
Liegen Signale zwischen B12A0 bis -7 und B12B0 bis -7 von IC8025 an?
Nein
IC8020 fehlerhaft oder zugehöriger peripherer Schaltkreis defekt.
Ja
Überprüfung für Videosystem-Schaltkreis (Blau) und seine Peripherieschaltkreise
Liegen Signale zwischen VBB0 bis -7 von IC8020 an?
Nein
R8279, R8280 oder LCP-Schaltkreis defekt.
Ja
D

7) VIDEO 2-Menü

| VIDEO 2 | |
|---|---|
| VROS | 128 |
| VGOS | 128 |
| VBOS | 128 |
| R-GAIN | 128 |
| B-GAIN | 128 |

Dieses Menü dient zur Wahl der Gammaeinstellung für normalen Betrieb oder für Verarbeitungsbetrieb.

(Anfängliche Einstellung: OFF)

8) LINE-Menü

| LINE |
|---|
| L1 |
| L2 |
| L3 |
| L4 |
| OFF |
| TEMP OFF |
| TEMP CHECK |

9) SSS-Menü

| SSS | |
|---|---|
| TIME | Lampenanzeige bei aktiv. |
| S2 | Gerät Initialisierung (EEPROM) |
| S3 | Initialisierung (ohne blauen Hintergrund) |
| S4 | Werkseinstellung (Englisch) |
| S5 | Werkseinstellung (Japanisch) |
| LAMP TIME ON | |

10) PATTERN-Menü

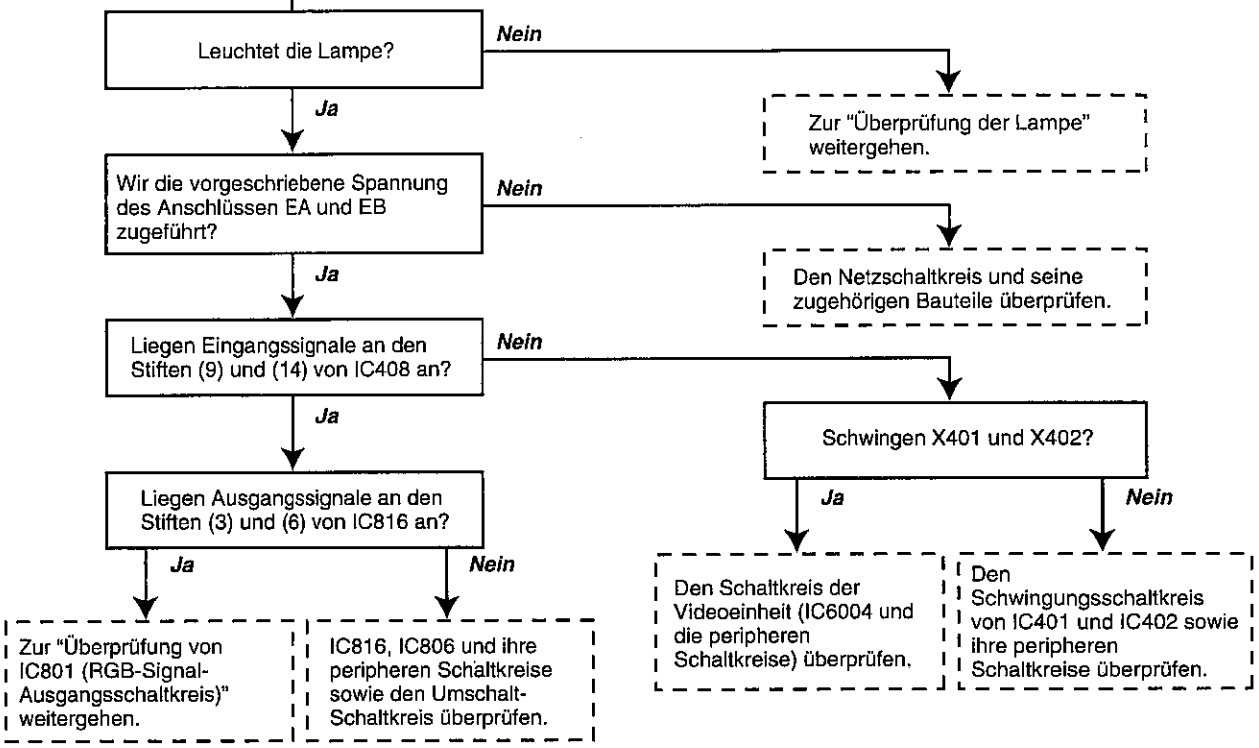
| PATTERN | | |
|---|---|---|
| RGB | 1 | Farben: Rot - Grün - Blau - Weiß - Schwarz - Magenta - Cyan - Gelb in kräftigen Schraffiermustern |
| CROSS | 1 | Lampe |
| RAMP | | Schritt (8/16) |
| STEP | | Farbbalken Zeichen (Kreuz/linksliegender Schrägstrich) |
| COLOR | | Zur Manuellfunktion |
| CHR | | |
| MANUAL | | |

11) LENS-Menü

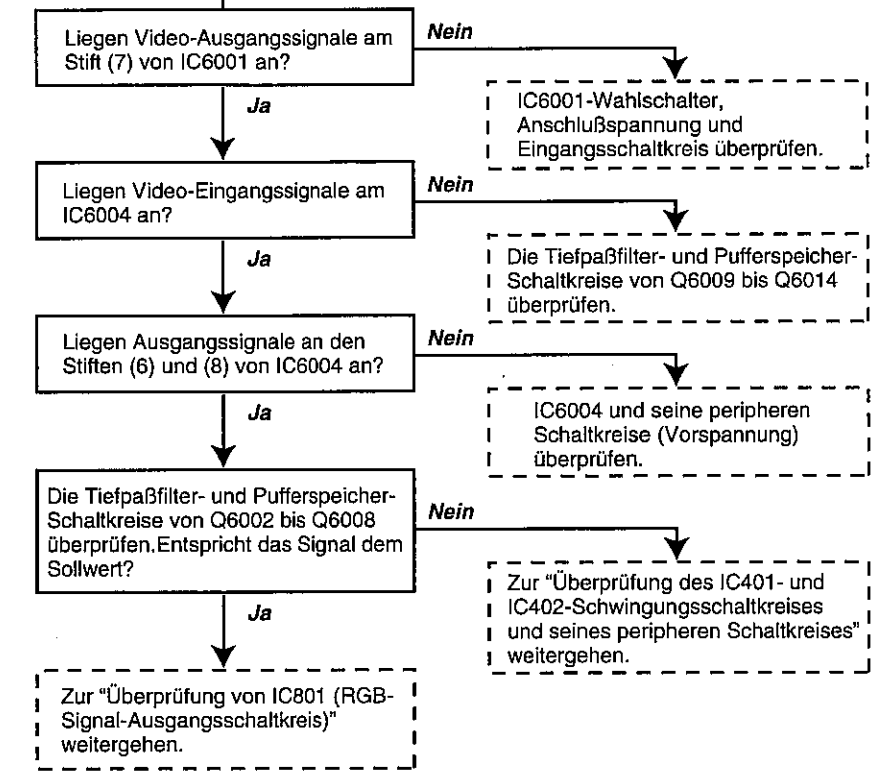
| SSS |
|---|
| TIME |
| S2 |
| S3 |
| S4 |
| S5 |
| LAMP TIME ON |

# FEHLERSUCHTABELLE (Fortsetzung)

## Überprüfung des Videosystems

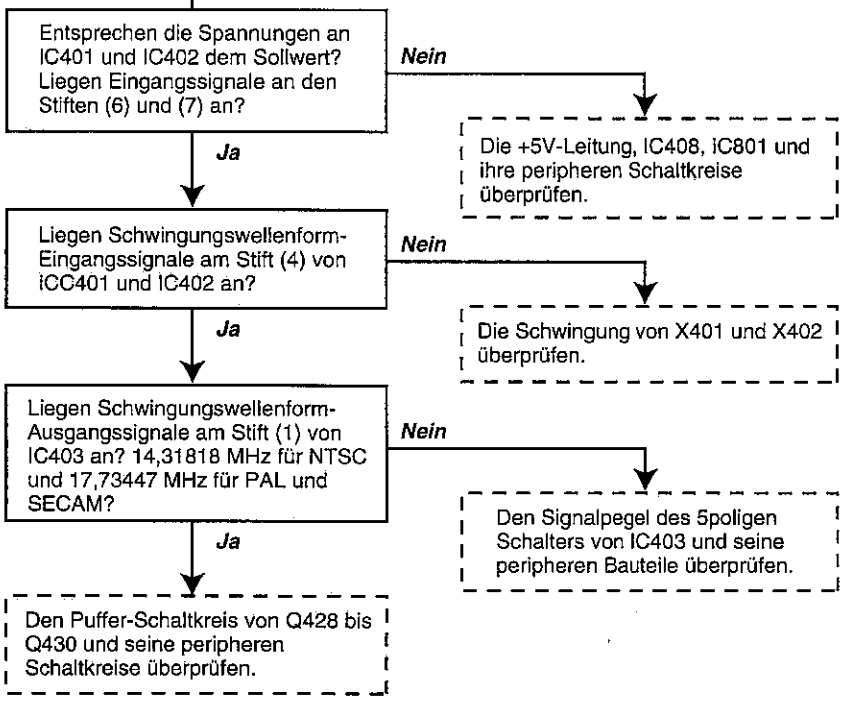

Leuchtet die Lampe?
Nein
Zur "Überprüfung der Lampe" weitergehen.
Ja
Wir die vorgeschriebene Spannung des Anschlüssen EA und EB zugeführt?
Nein
Den Netzschaltkreis und seine zugehörigen Bauteile überprüfen.
Ja
Liegen Eingangssignale an den Stiften (9) und (14) von IC408 an?
Nein
Schwingen X401 und X402?
Ja
Nein
Ja
Liegen Ausgangssignale an den Stiften (3) und (6) von IC816 an?
Ja
Nein
Den Schaltkreis der Videoeinheit (IC6004 und die peripheren Schaltkreise) überprüfen.
Den Schwingungsschaltkreis von IC401 und IC402 sowie ihre peripheren Schaltkreise überprüfen.
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.
IC816, IC806 und ihre peripheren Schaltkreise sowie den Umschalt-Schaltkreis überprüfen.

## Überprüfung des Videoeinheit-Schaltkreises

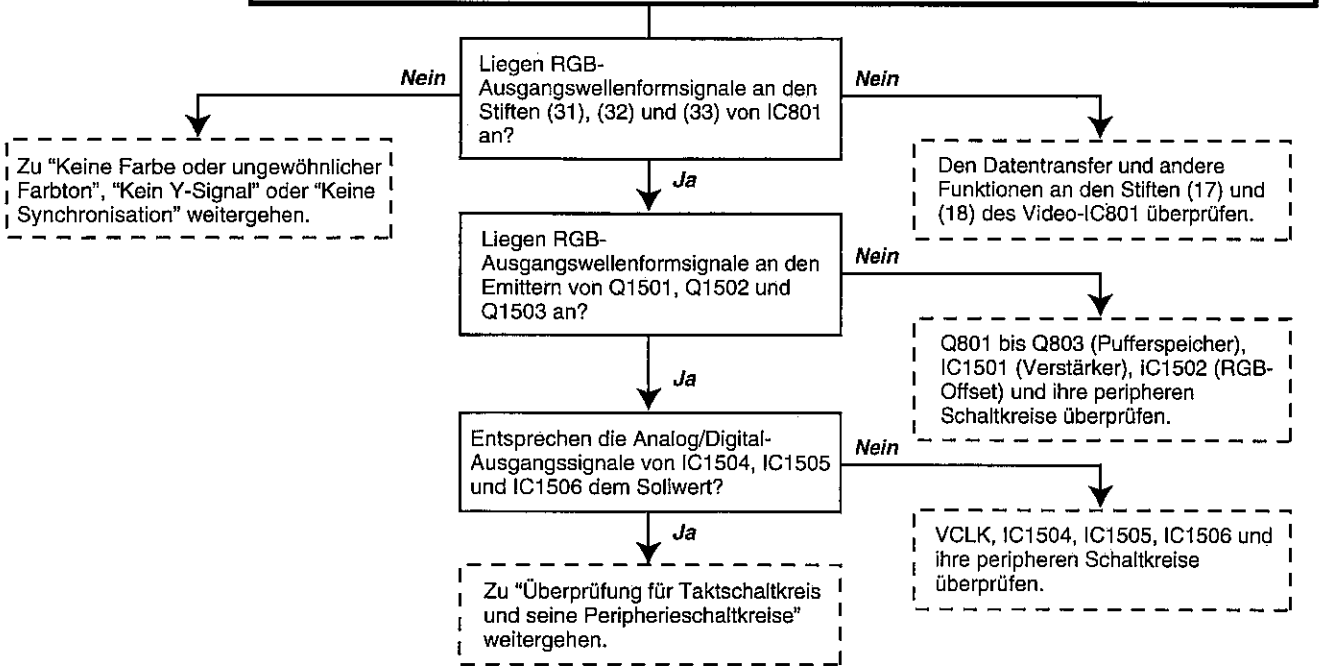

Liegen Video-Ausgangssignale am Stift (7) von IC6001 an?
Nein
IC6001-Wahlschalter, Anschlußspannung und Eingangsschaltkreis überprüfen.
Ja
Liegen Video-Eingangssignale am IC6004 an?
Nein
Die Tiefpaßfilter- und Pufferspeicher-Schaltkreise von Q6009 bis Q6014 überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (6) und (8) von IC6004 an?
Nein
IC6004 und seine peripheren Schaltkreise (Vorspannung) überprüfen.
Ja
Die Tiefpaßfilter- und Pufferspeicher-Schaltkreise von Q6002 bis Q6008 überprüfen.Entspricht das Signal dem Sollwert?
Nein
Zur "Überprüfung des IC401- und IC402-Schwingungsschaltkreises und seines peripheren Schaltkreises" weitergehen.
Ja
Zur "Überprüfung von IC801 (RGB-Signal-Ausgangsschaltkreis)" weitergehen.

# FEHLERSUCHTABELLE (Fortsetzung)

## Überprüfung des Schwingungsschaltkreises

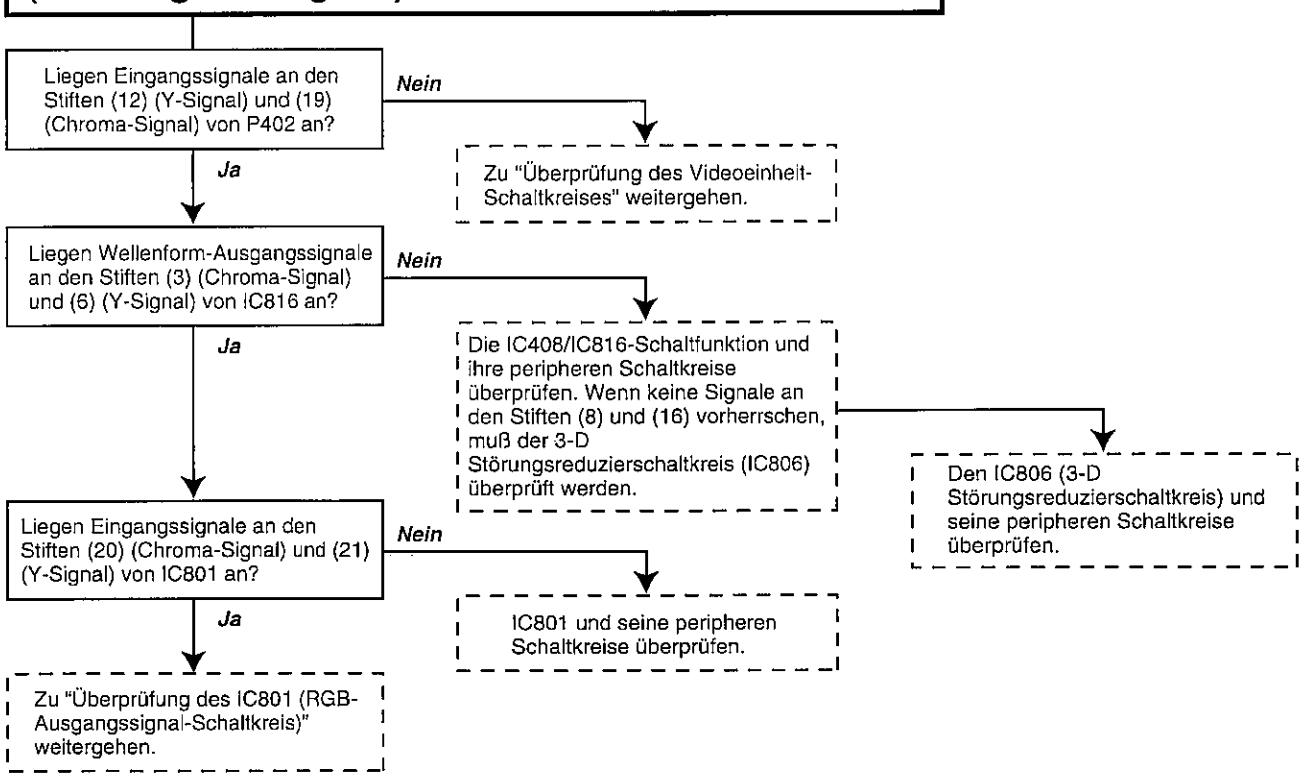

Entsprechen die Spannungen an IC401 und IC402 dem Sollwert? Liegen Eingangssignale an den Stiften (6) und (7) an?
Nein
Die +5V-Leitung, IC408, IC801 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Schwingungswellenform-Eingangssignale am Stift (4) von ICC401 und IC402 an?
Nein
Die Schwingung von X401 und X402 überprüfen.
Ja
Liegen Schwingungswellenform-Ausgangssignale am Stift (1) von IC403 an? 14,31818 MHz für NTSC und 17,73447 MHz für PAL und SECAM?
Nein
Den Signalpegel des 5poligen Schalters von IC403 und seine peripheren Bauteile überprüfen.
Ja
Den Puffer-Schaltkreis von Q428 bis Q430 und seine peripheren Schaltkreise überprüfen.

## Überprüfung des IC801 (RGB-Ausgangssignal-Schaltkreis)

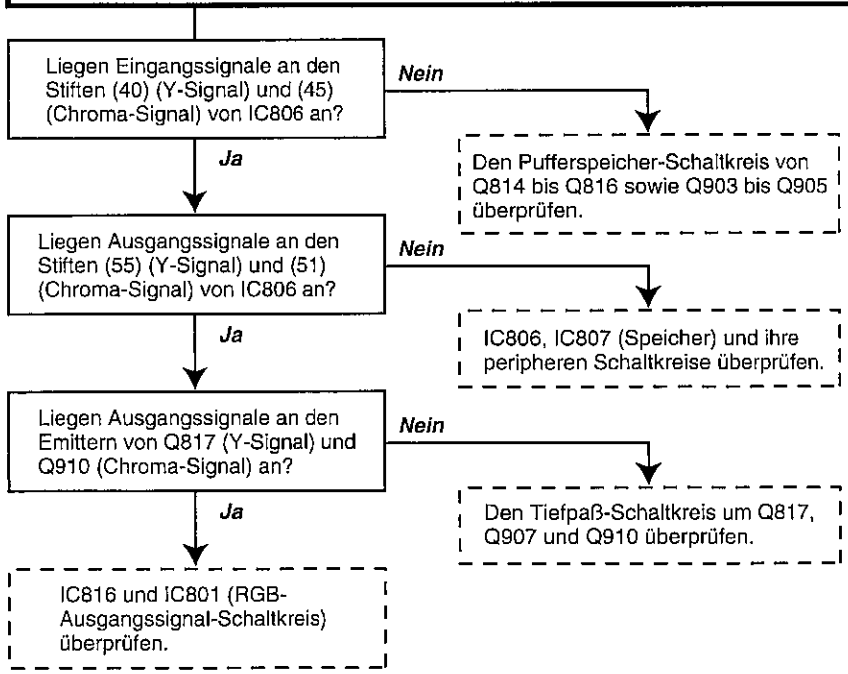

Liegen RGB-Ausgangswellenformsignale an den Stiften (31), (32) und (33) von IC801 an?
Nein
Zu "Keine Farbe oder ungewöhnlicher Farbton", "Kein Y-Signal" oder "Keine Synchronisation" weitergehen.
Nein
Den Datentransfer und andere Funktionen an den Stiften (17) und (18) des Video-IC801 überprüfen.
Ja
Liegen RGB-Ausgangswellenformsignale an den Emittern von Q1501, Q1502 und Q1503 an?
Nein
Q801 bis Q803 (Pufferspeicher), IC1501 (Verstärker), IC1502 (RGB-Offset) und ihre peripheren Schaltkreise überprüfen.
Ja
Entsprechen die Analog/Digital-Ausgangssignale von IC1504, IC1505 und IC1506 dem Sollwert?
Nein
VCLK, IC1504, IC1505, IC1506 und ihre peripheren Schaltkreise überprüfen.
Ja
Zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

# FEHLERSUCHTABELLE (Fortsetzung)

## Überprüfung der Chroma- und Y-Signale des IC801 (RGB-Signalausgabe)

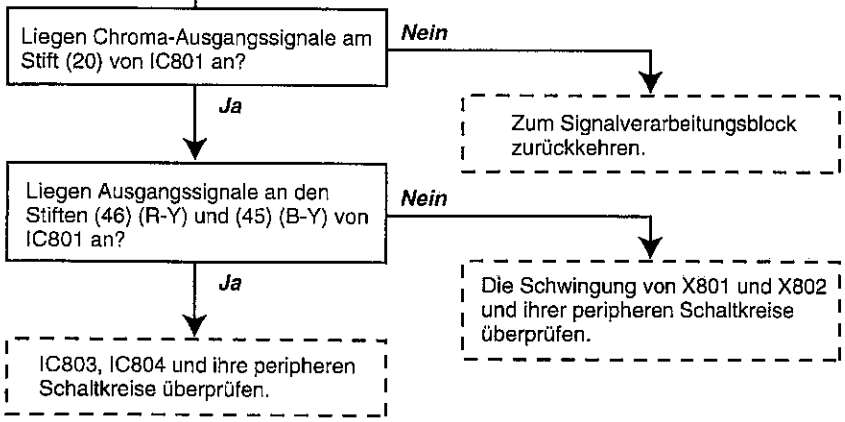

Liegen Eingangssignale an den Stiften (12) (Y-Signal) und (19) (Chroma-Signal) von P402 an?
Nein
Zu "Überprüfung des Videoeinheit-Schaltkreises" weitergehen.
Ja
Liegen Wellenform-Ausgangssignale an den Stiften (3) (Chroma-Signal) und (6) (Y-Signal) von IC816 an?
Nein
Die IC408/IC816-Schaltfunktion und ihre peripheren Schaltkreise überprüfen. Wenn keine Signale an den Stiften (8) und (16) vorherrschen, muß der 3-D Störungsreduzierschaltkreis (IC806) überprüft werden.
Den IC806 (3-D Störungsreduzierschaltkreis) und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an den Stiften (20) (Chroma-Signal) und (21) (Y-Signal) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
Zu "Überprüfung des IC801 (RGB-Ausgangssignal-Schaltkreis)" weitergehen.

## Überprüfung des IC806 (3-D Störungs-Reduzierschaltkreis) und seiner peripheren Schaltkreise

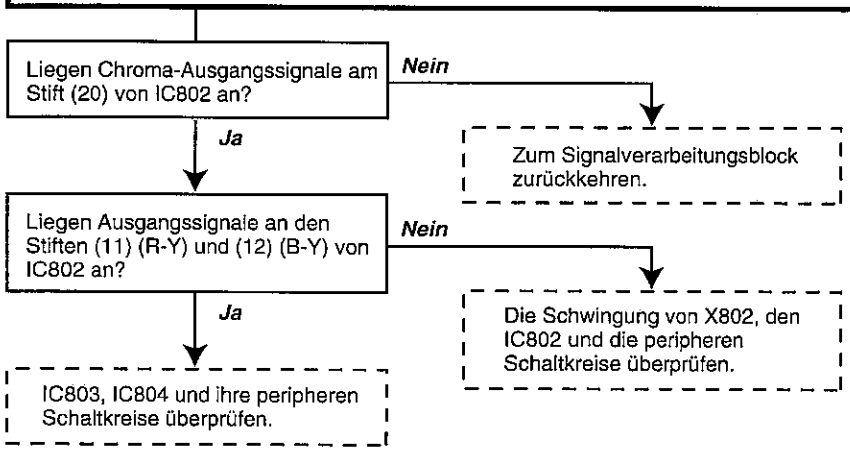

Liegen Eingangssignale an den Stiften (40) (Y-Signal) und (45) (Chroma-Signal) von IC806 an?
Nein
Den Pufferspeicher-Schaltkreis von Q814 bis Q816 sowie Q903 bis Q905 überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (55) (Y-Signal) und (51) (Chroma-Signal) von IC806 an?
Nein
IC806, IC807 (Speicher) und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Emittern von Q817 (Y-Signal) und Q910 (Chroma-Signal) an?
Nein
Den Tiefpaß-Schaltkreis um Q817, Q907 und Q910 überprüfen.
Ja
IC816 und IC801 (RGB-Ausgangssignal-Schaltkreis) überprüfen.

# FEHLERSUCHTABELLE (Fortsetzung)

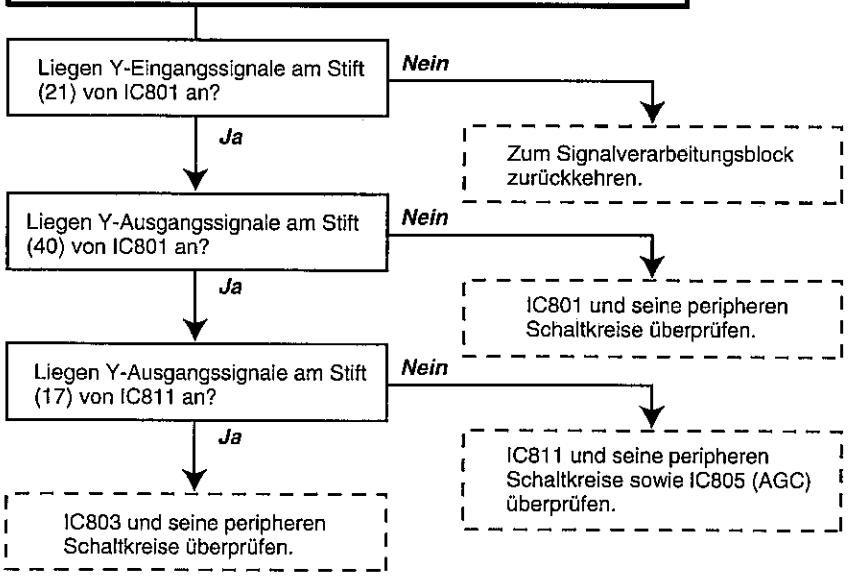
## Keine Farbe oder ungewöhnlicher Farbton (NTSC, PAL)


Liegen Chroma-Ausgangssignale am Stift (20) von IC801 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Ausgangssignale an den Stiften (46) (R-Y) und (45) (B-Y) von IC801 an?
Nein
Ja
Die Schwingung von X801 und X802 und ihrer peripheren Schaltkreise überprüfen.
IC803, IC804 und ihre peripheren Schaltkreise überprüfen.

## Keine Farbe oder ungewöhnlicher Farbton (SECAM)

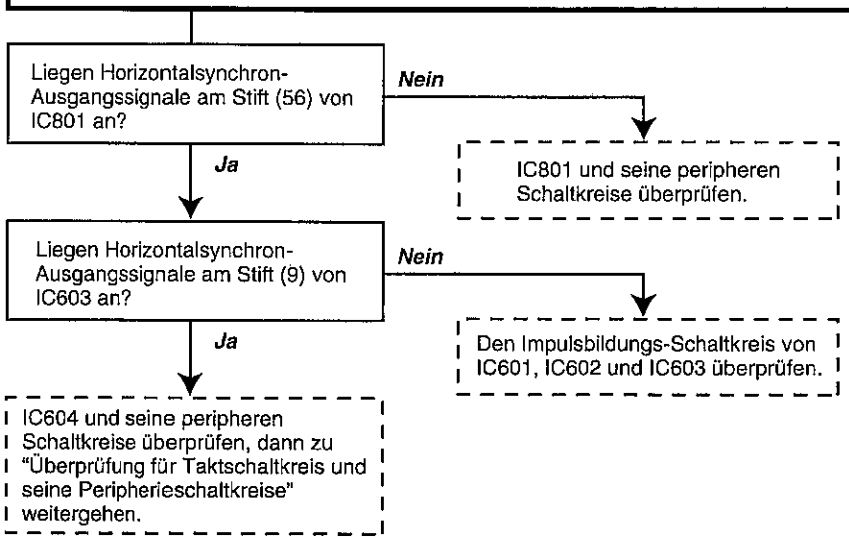

Liegen Chroma-Ausgangssignale am Stift (20) von IC802 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Ausgangssignale an den Stiften (11) (R-Y) und (12) (B-Y) von IC802 an?
Nein
Ja
Die Schwingung von X802, den IC802 und die peripheren Schaltkreise überprüfen.
IC803, IC804 und ihre peripheren Schaltkreise überprüfen.

## Kein oder ungewöhnliches Y-Signal

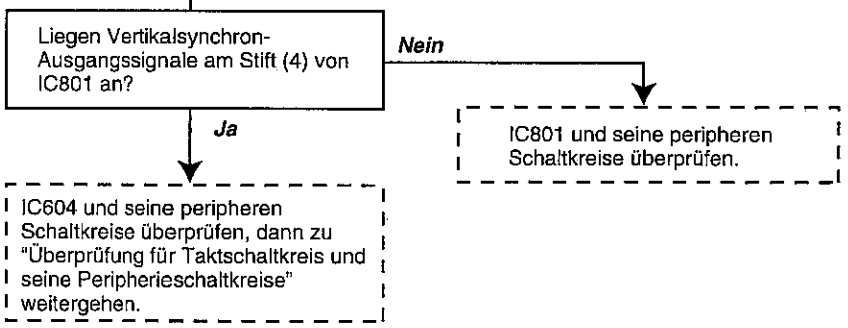

Liegen Y-Eingangssignale am Stift (21) von IC801 an?
Nein
Ja
Zum Signalverarbeitungsblock zurückkehren.
Liegen Y-Ausgangssignale am Stift (40) von IC801 an?
Nein
Ja
IC801 und seine peripheren Schaltkreise überprüfen.
Liegen Y-Ausgangssignale am Stift (17) von IC811 an?
Nein
Ja
IC811 und seine peripheren Schaltkreise sowie IC805 (AGC) überprüfen.
IC803 und seine peripheren Schaltkreise überprüfen.

# FEHLERSUCHTABELLE (Fortsetzung)

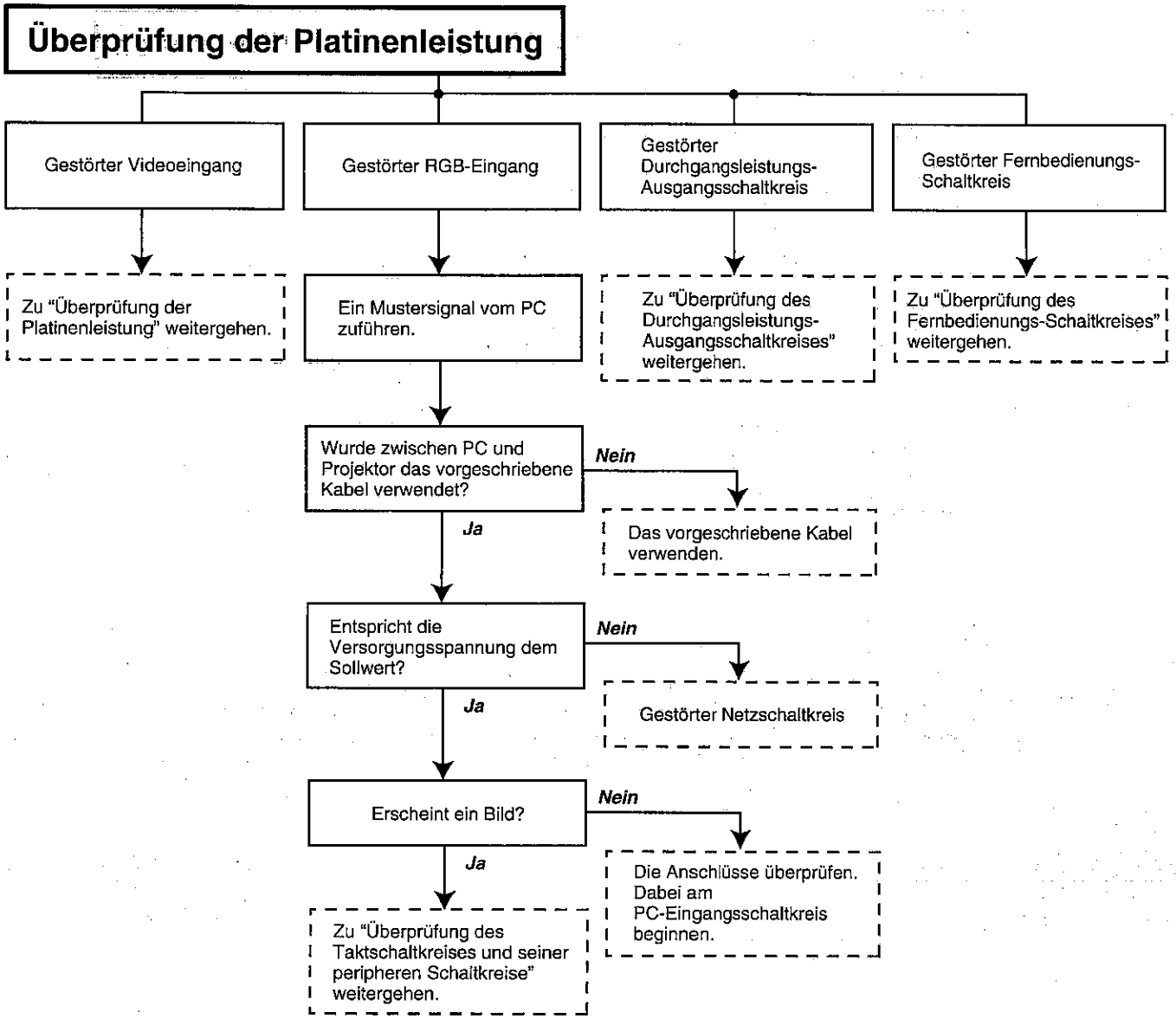
## Keine oder ungewöhnliche Horizontal-Synchronisation


Liegen Horizontalsynchron-Ausgangssignale am Stift (56) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
Liegen Horizontalsynchron-Ausgangssignale am Stift (9) von IC603 an?
Nein
Den Impulsbildungs-Schaltkreis von IC601, IC602 und IC603 überprüfen.
Ja
IC604 und seine peripheren Schaltkreise überprüfen, dann zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

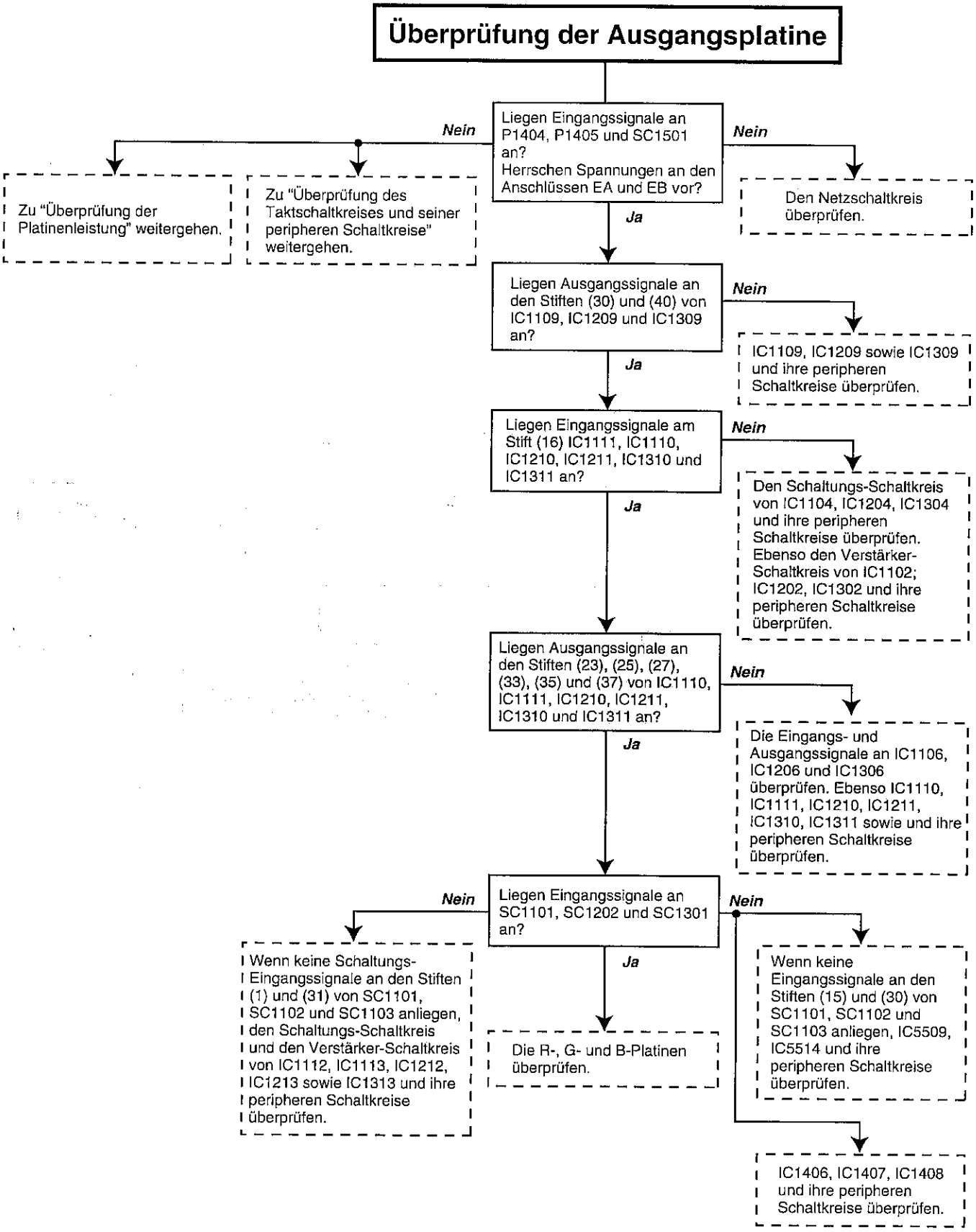
## Keine oder ungewöhnliche Vertikal-Synchronisation


Liegen Vertikalsynchron-Ausgangssignale am Stift (4) von IC801 an?
Nein
IC801 und seine peripheren Schaltkreise überprüfen.
Ja
IC604 und seine peripheren Schaltkreise überprüfen, dann zu "Überprüfung für Taktschaltkreis und seine Peripherieschaltkreise" weitergehen.

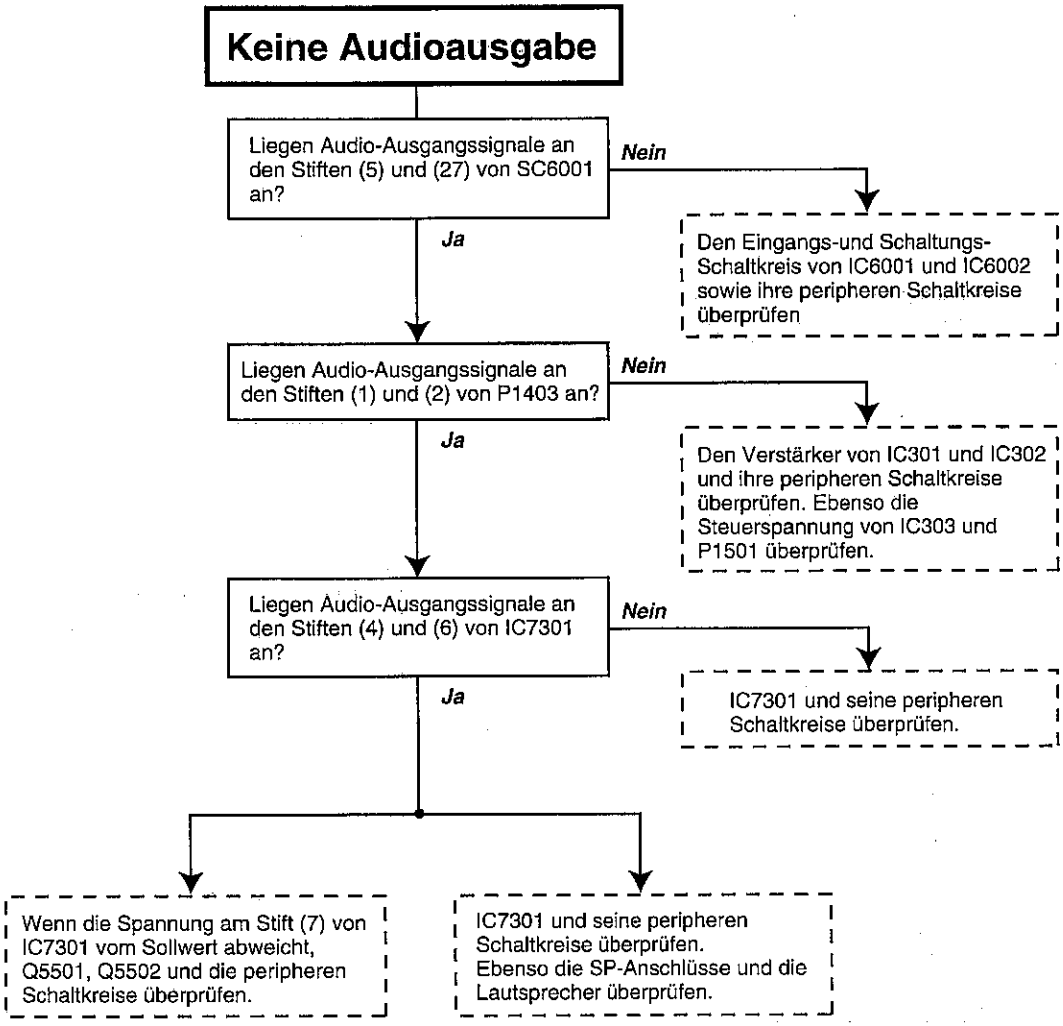
# FEHLERSUCHTABELLE (Fortsetzung)



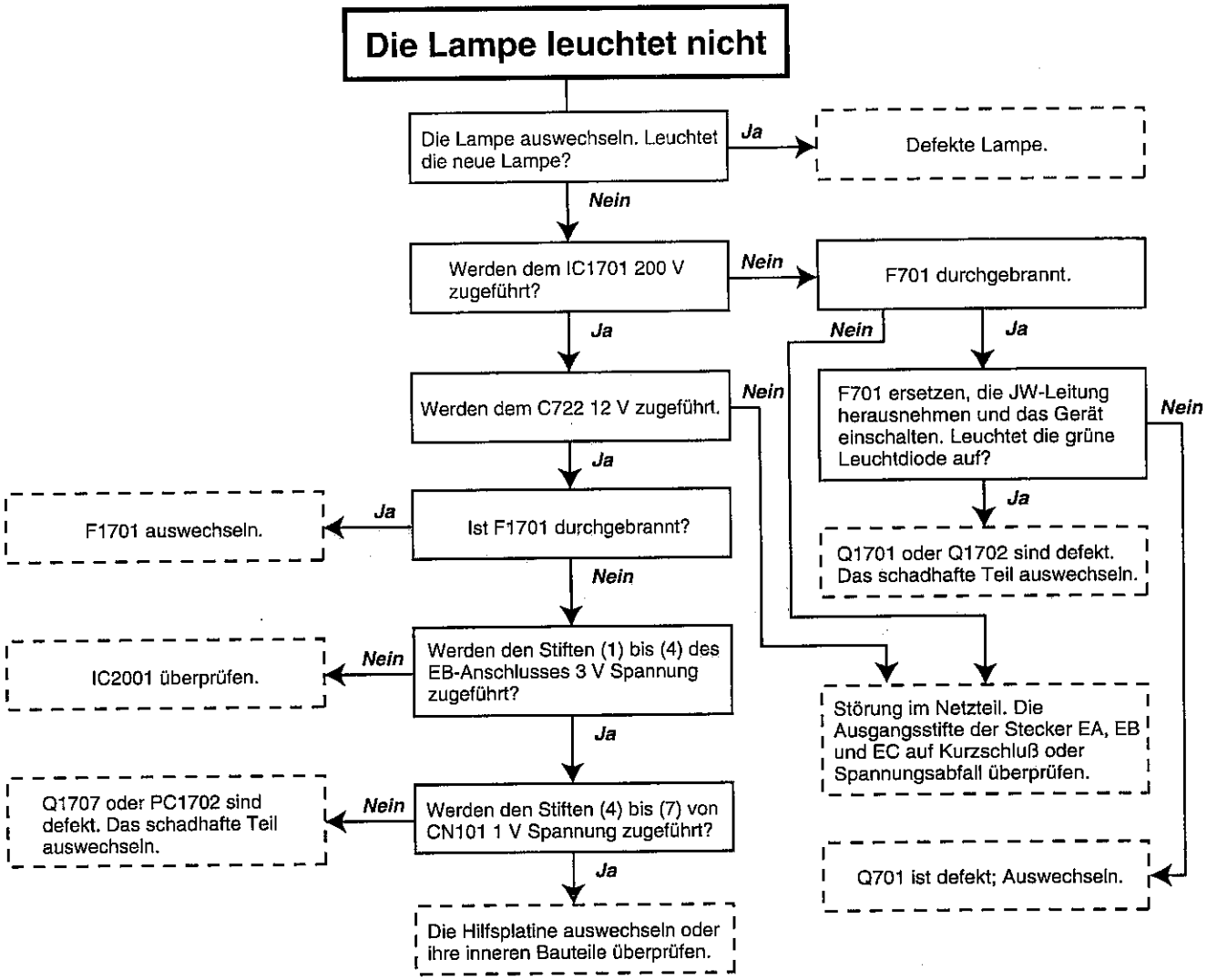
# FEHLERSUCHTABELLE (Fortsetzung)


Überprüfung der Ausgangsplatine
Liegen Eingangssignale an P1404, P1405 und SC1501 an? Herrschen Spannungen an den Anschlüssen EA und EB vor?
Nein
Zu "Überprüfung der Platinenleistung" weitergehen.
Zu "Überprüfung des Taktschaltkreises und seiner peripheren Schaltkreise" weitergehen.
Nein
Den Netzschaltkreis überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (30) und (40) von IC1109, IC1209 und IC1309 an?
Nein
IC1109, IC1209 sowie IC1309 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale am Stift (16) IC1111, IC1110, IC1210, IC1211, IC1310 und IC1311 an?
Nein
Den Schaltungs-Schaltkreis von IC1104, IC1204, IC1304 und ihre peripheren Schaltkreise überprüfen. Ebenso den Verstärker-Schaltkreis von IC1102; IC1202, IC1302 und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Ausgangssignale an den Stiften (23), (25), (27), (33), (35) und (37) von IC1110, IC1111, IC1210, IC1211, IC1310 und IC1311 an?
Nein
Die Eingangs- und Ausgangssignale an IC1106, IC1206 und IC1306 überprüfen. Ebenso IC1110, IC1111, IC1210, IC1211, IC1310, IC1311 sowie und ihre peripheren Schaltkreise überprüfen.
Ja
Liegen Eingangssignale an SC1101, SC1202 und SC1301 an?
Nein
Wenn keine Schaltungs-Eingangssignale an den Stiften (1) und (31) von SC1101, SC1102 und SC1103 anliegen, den Schaltungs-Schaltkreis und den Verstärker-Schaltkreis von IC1112, IC1113, IC1212, IC1213 sowie IC1313 und ihre peripheren Schaltkreise überprüfen.
Ja
Die R-, G- und B-Platinen überprüfen.
Nein
Wenn keine Eingangssignale an den Stiften (15) und (30) von SC1101, SC1102 und SC1103 anliegen, IC5509, IC5514 und ihre peripheren Schaltkreise überprüfen.
IC1406, IC1407, IC1408 und ihre peripheren Schaltkreise überprüfen.

# FEHLERSUCHTABELLE (Fortsetzung)

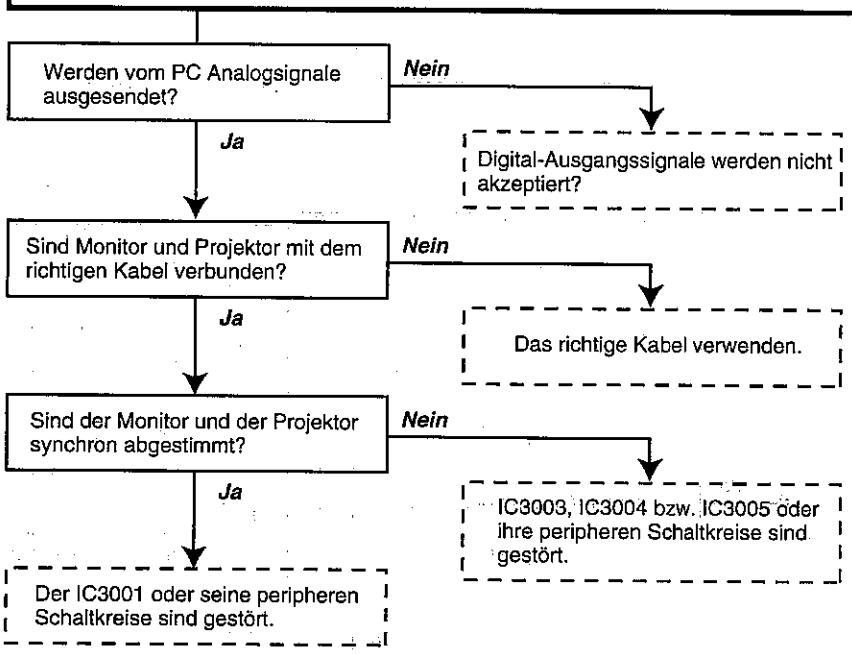

Keine Audioausgabe
Liegen Audio-Ausgangssignale an den Stiften (5) und (27) von SC6001 an?
Nein
Den Eingangs-und Schaltungs-Schaltkreis von IC6001 und IC6002 sowie ihre peripheren Schaltkreise überprüfen
Ja
Liegen Audio-Ausgangssignale an den Stiften (1) und (2) von P1403 an?
Nein
Den Verstärker von IC301 und IC302 und ihre peripheren Schaltkreise überprüfen. Ebenso die Steuerspannung von IC303 und P1501 überprüfen.
Ja
Liegen Audio-Ausgangssignale an den Stiften (4) und (6) von IC7301 an?
Nein
IC7301 und seine peripheren Schaltkreise überprüfen.
Ja
Wenn die Spannung am Stift (7) von IC7301 vom Sollwert abweicht, Q5501, Q5502 und die peripheren Schaltkreise überprüfen.
IC7301 und seine peripheren Schaltkreise überprüfen. Ebenso die SP-Anschlüsse und die Lautsprecher überprüfen.

# FEHLERSUCHTABELLE (Fortsetzung)


Die Lampe leuchtet nicht
Die Lampe auswechseln. Leuchtet die neue Lampe?
Ja
Defekte Lampe.
Nein
Werden dem IC1701 200 V zugeführt?
Nein
F701 durchgebrannt.
Ja
Nein
Ja
Werden dem C722 12 V zugeführt.
Nein
F701 ersetzen, die JW-Leitung herausnehmen und das Gerät einschalten. Leuchtet die grüne Leuchtdiode auf?
Nein
Ja
Ja
F1701 auswechseln.
Ja
Ist F1701 durchgebrannt?
Ja
Q1701 oder Q1702 sind defekt. Das schadhafte Teil auswechseln.
Nein
IC2001 überprüfen.
Nein
Werden den Stiften (1) bis (4) des EB-Anschlusses 3 V Spannung zugeführt?
Störung im Netzteil. Die Ausgangsstifte der Stecker EA, EB und EC auf Kurzschluß oder Spannungsabfall überprüfen.
Ja
Q1707 oder PC1702 sind defekt. Das schadhafte Teil auswechseln.
Nein
Werden den Stiften (4) bis (7) von CN101 1 V Spannung zugeführt?
Q701 ist defekt; Auswechseln.
Ja
Die Hilfsplatine auswechseln oder ihre inneren Bauteile überprüfen.

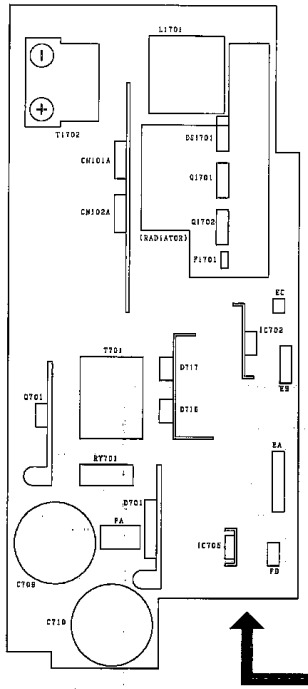
# FEHLERSUCHTABELLE (Fortsetzung)

## Überprüfung des Durchgangsleistungs-Schaltkreises

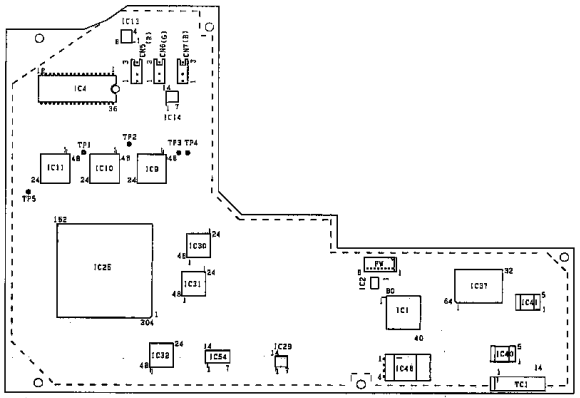

Werden vom PC Analogsignale ausgesendet?
Nein
Digital-Ausgangssignale werden nicht akzeptiert?
Ja
Sind Monitor und Projektor mit dem richtigen Kabel verbunden?
Nein
Das richtige Kabel verwenden.
Ja
Sind der Monitor und der Projektor synchron abgestimmt?
Nein
IC3003, IC3004 bzw. IC3005 oder ihre peripheren Schaltkreise sind gestört.
Ja
Der IC3001 oder seine peripheren Schaltkreise sind gestört.

# CHASSIS LAYOUT / CHASSIS-ANORDNUNG

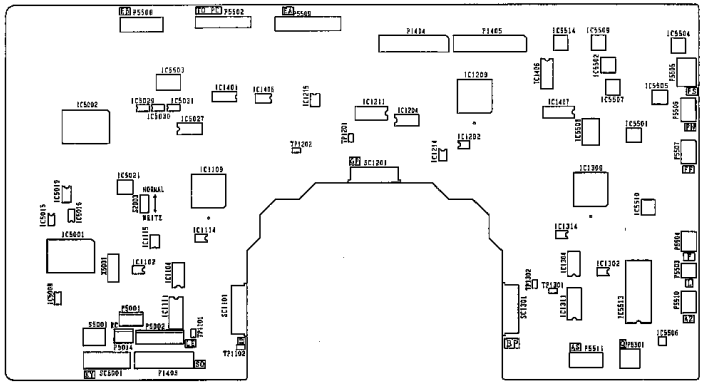
**POWER/BALLAST UNIT**
**CDENC0252CE01**



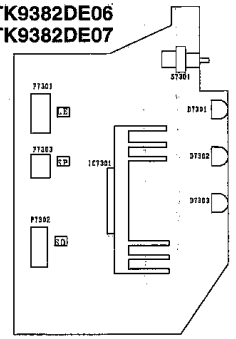
**PC I/F UNIT**
**CPCi-0023CE01**



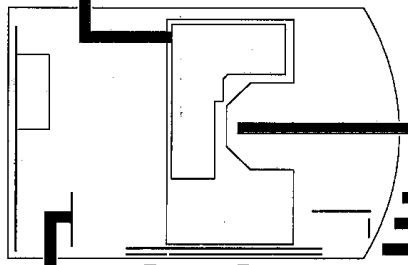
**OUTPUT UNIT**
**DUNTK9505DE02**



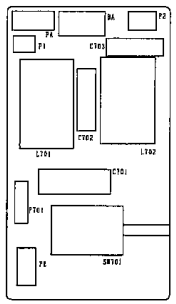
**LED UNIT**
**DUNTK9382DE06**
**DUNTK9382DE07**



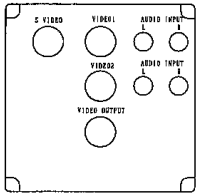
**INFRARED R/C UNIT**
**DUNTK9504DE02**



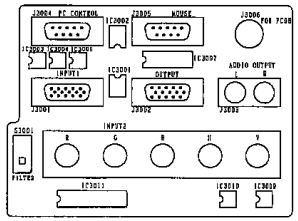
**AC-SW UNIT**
**RUNTK0571CEZZ**



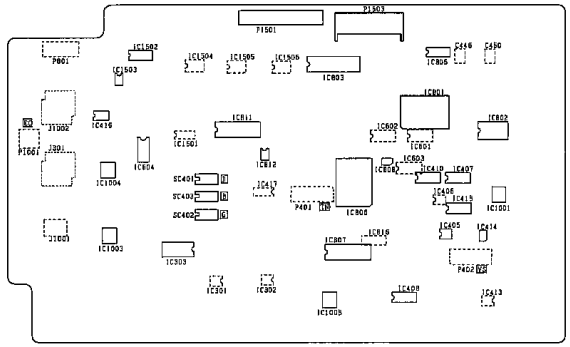
**VIDEO BOARD UNIT**
**CTANZ0706CE01**
**(For XG-XV1A as well as AUSTRALIAN and NEWZEALAND versions of XG-XV1E)**



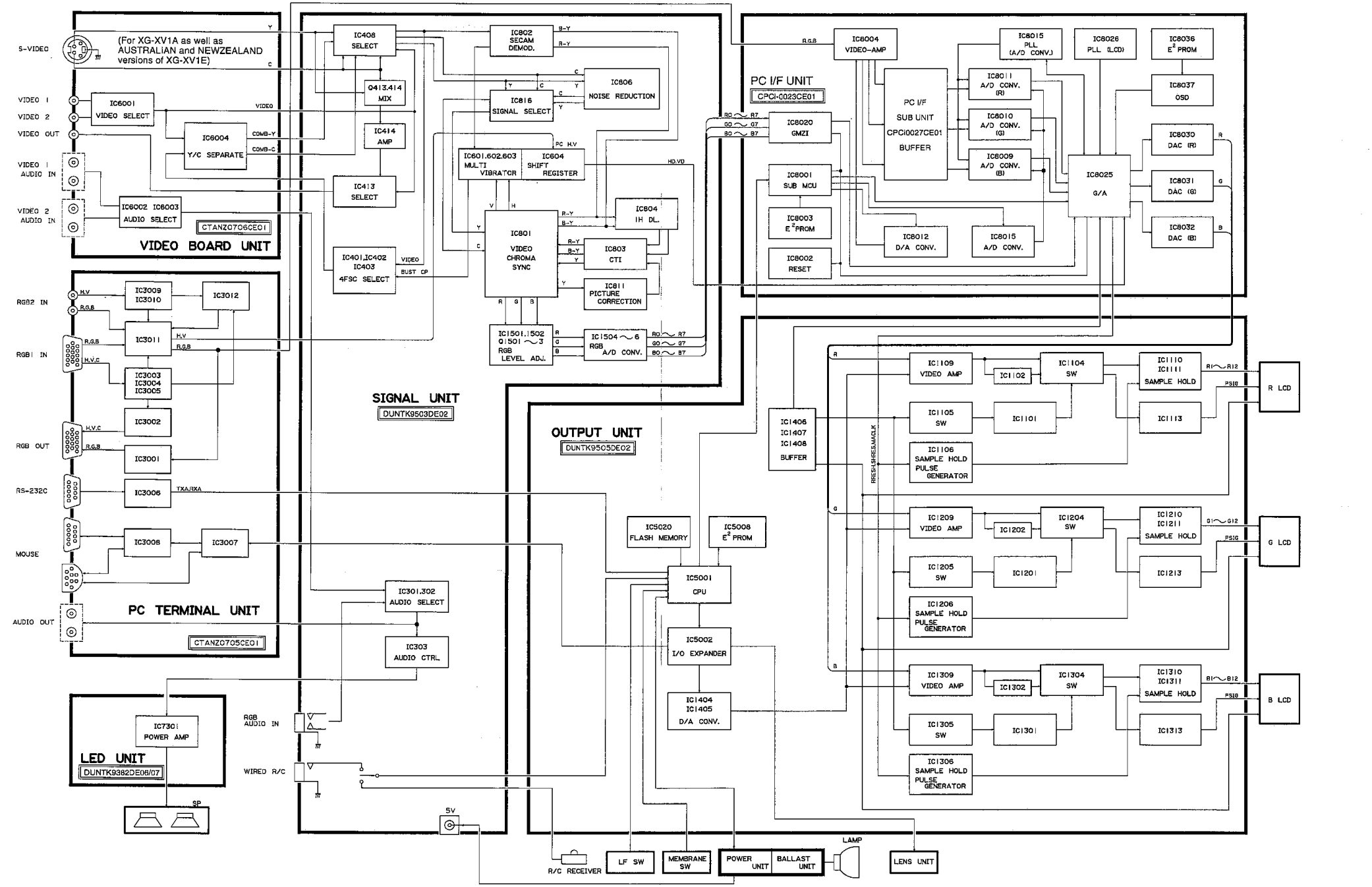
**PC TERMINAL UNIT**
**CTANZ0705CE01**



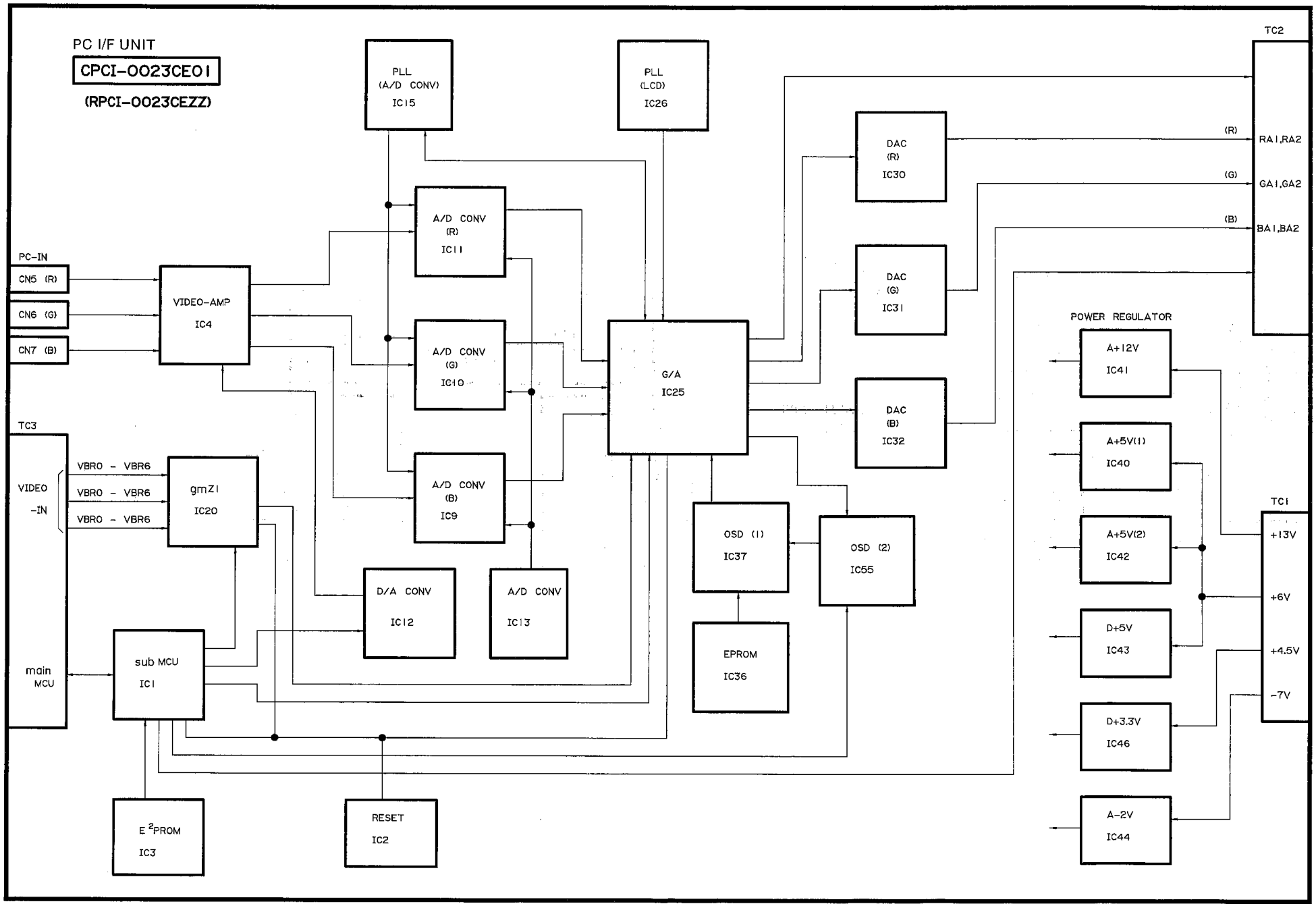
**SIGNAL UNIT**
**DUNTK9503DE02**



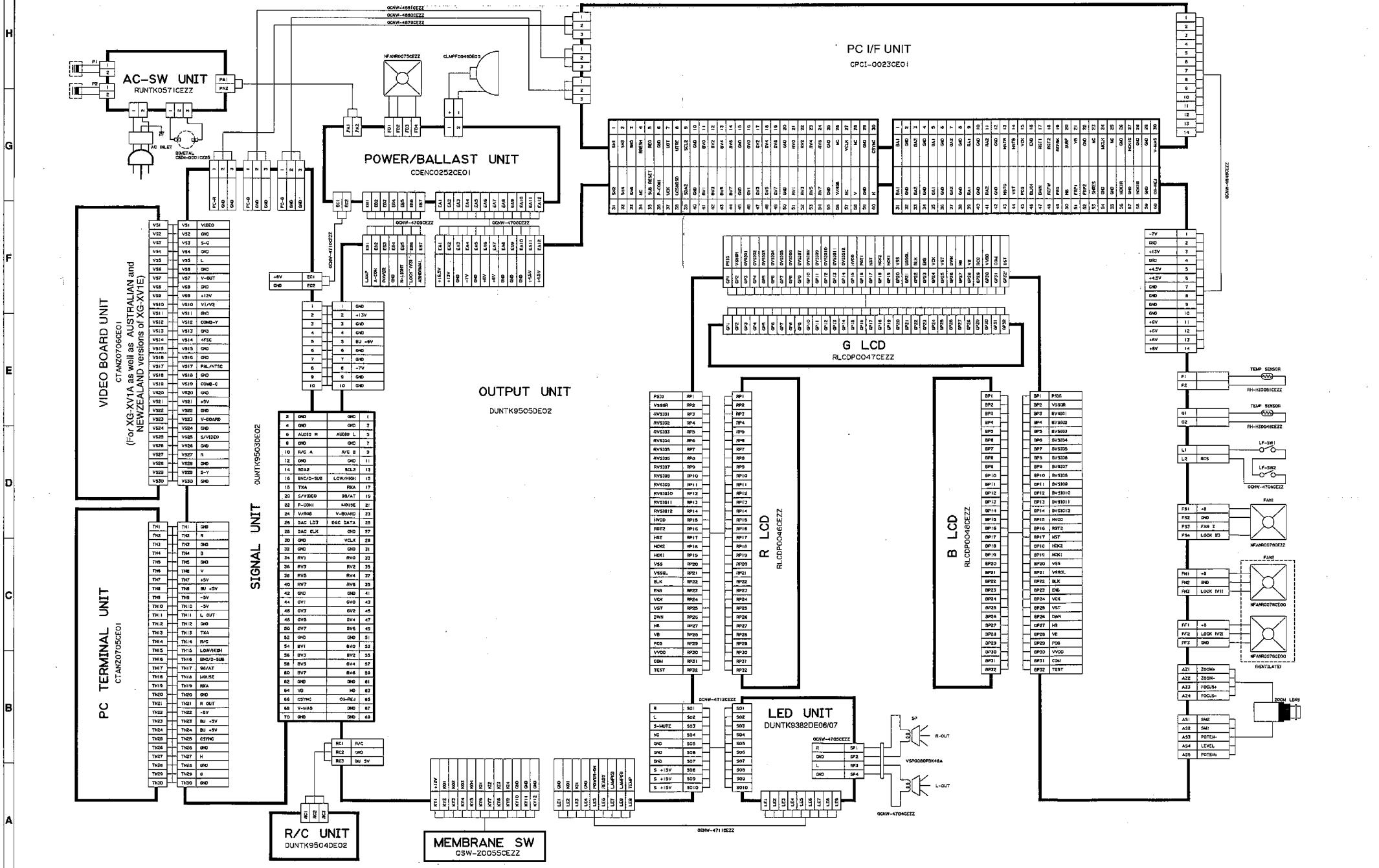
# BLOCK DIAGRAM-1 / BLOCKSCHALTBILD-1



# BLOCK DIAGRAM-2 / BLOCKSCHALTBILD-2



# OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN



## DESCRIPTION OF SCHEMATIC DIAGRAM

### VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20-kohm/V tester.

### WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 220V. Signals are fed by a colour bar signal generator for servicing purpose.

### INDICATION OF RESISTOR & CAPACITOR:

**RESISTOR**

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   - Ⓒ: Solid
   - Ⓦ: Cement
   - Ⓢ: Oxide Film
   - Ⓣ: Special
   - Ⓝ: Metal Coating

**CAPACITOR**

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   - (ML): Mylar
   - (TA): Tantalum
   - (PF): Polypro Film
   - (ST): Styrol

**CAUTION:**
**This circuit diagram is original one, therefore there may be a slight difference from yours.**

***SAFETY NOTES:***

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

***IMPORTANT SAFETY NOTICE:***

***PARTS MARKED WITH " ⚠ ( ▬▬▬ ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.***

## BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

### SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 220V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

### SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 220V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

### BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

**WIDERSTAND**

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/10W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
   - Ⓒ: Fest
   - Ⓦ: Zement
   - Ⓢ: Oxidefilm
   - Ⓣ: Spezial
   - Ⓝ: Metallüberzug

**KONDENSATOR**

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
   - (ML): Mylar
   - (TA): Tantal
   - (PF): Polyprofilm
   - (ST): Styrol

**ACHTUNG:**
**bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.**

***SICHERHEITSANMERKUNGEN:***

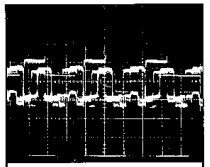
1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

***WICHTIGE SICHERHEITSANMERKUNGEN:***

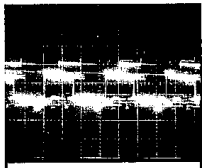
***MIT "⚠ ( ▬▬▬ )BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.***



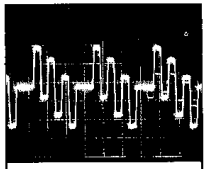
# WAVEFORMS WELLENFORMEN



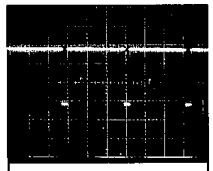
① P801 (1-Pin)
H: 20μsec/div
V: 50mV/div



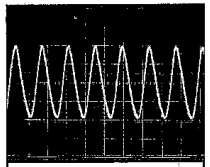
② P801 (2-Pin)
H: 20μsec/div
V: 50mV/div



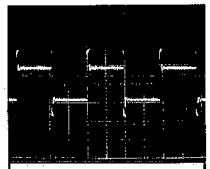
③ P801 (5-Pin)
H: 20μsec/div
V: 50mV/div



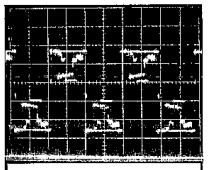
④ P801 (6-Pin)
H: 20μsec/div
V: 2V/div



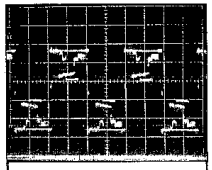
⑤ TP401
H: 50μsec/div
V: 50mV/div



⑥ SC1201 (1-Pin)
H: 10μsec/div
V: 2V/div

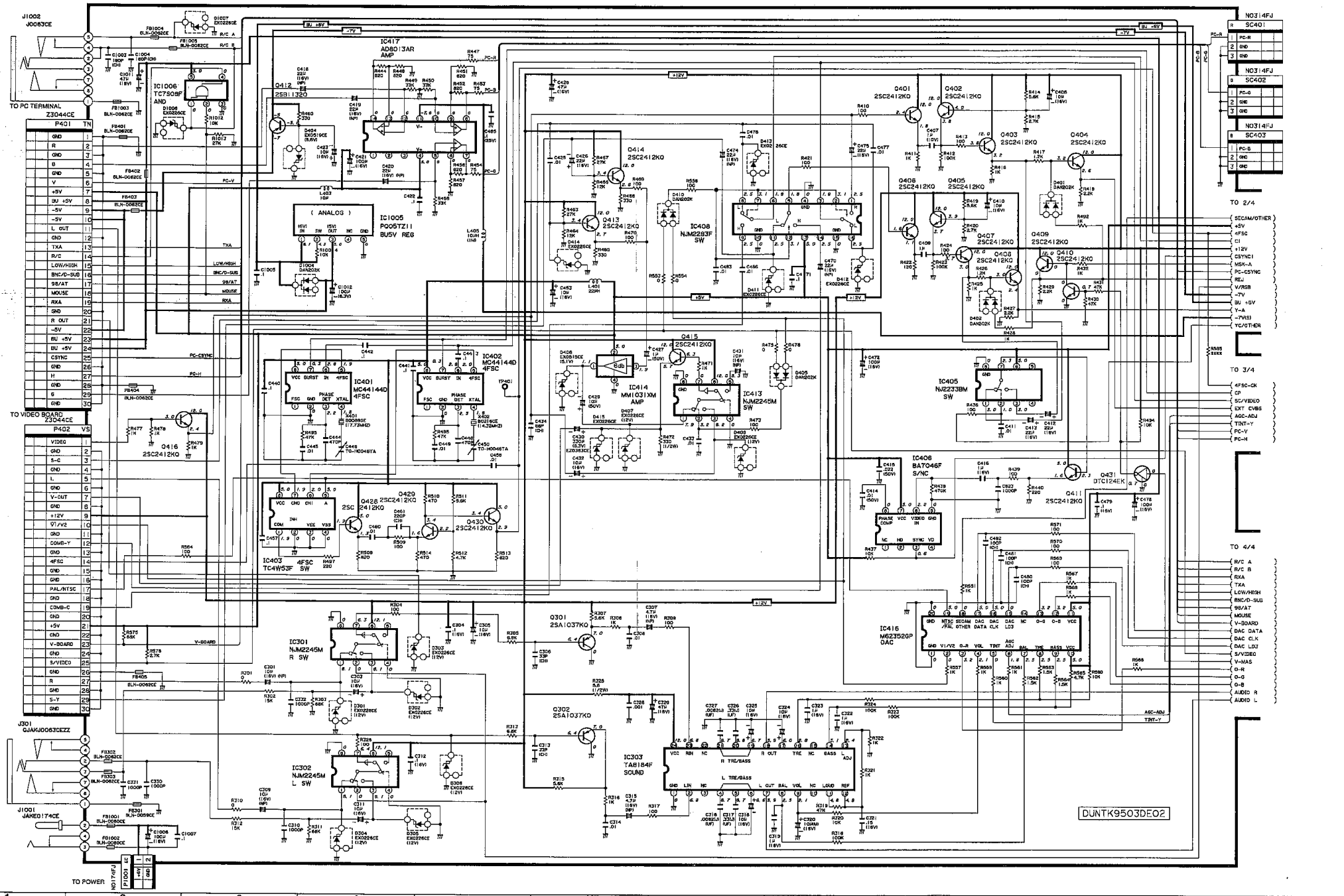


⑦ SC1201 (3-Pin)
H: 10μsec/div
V: 2V/div

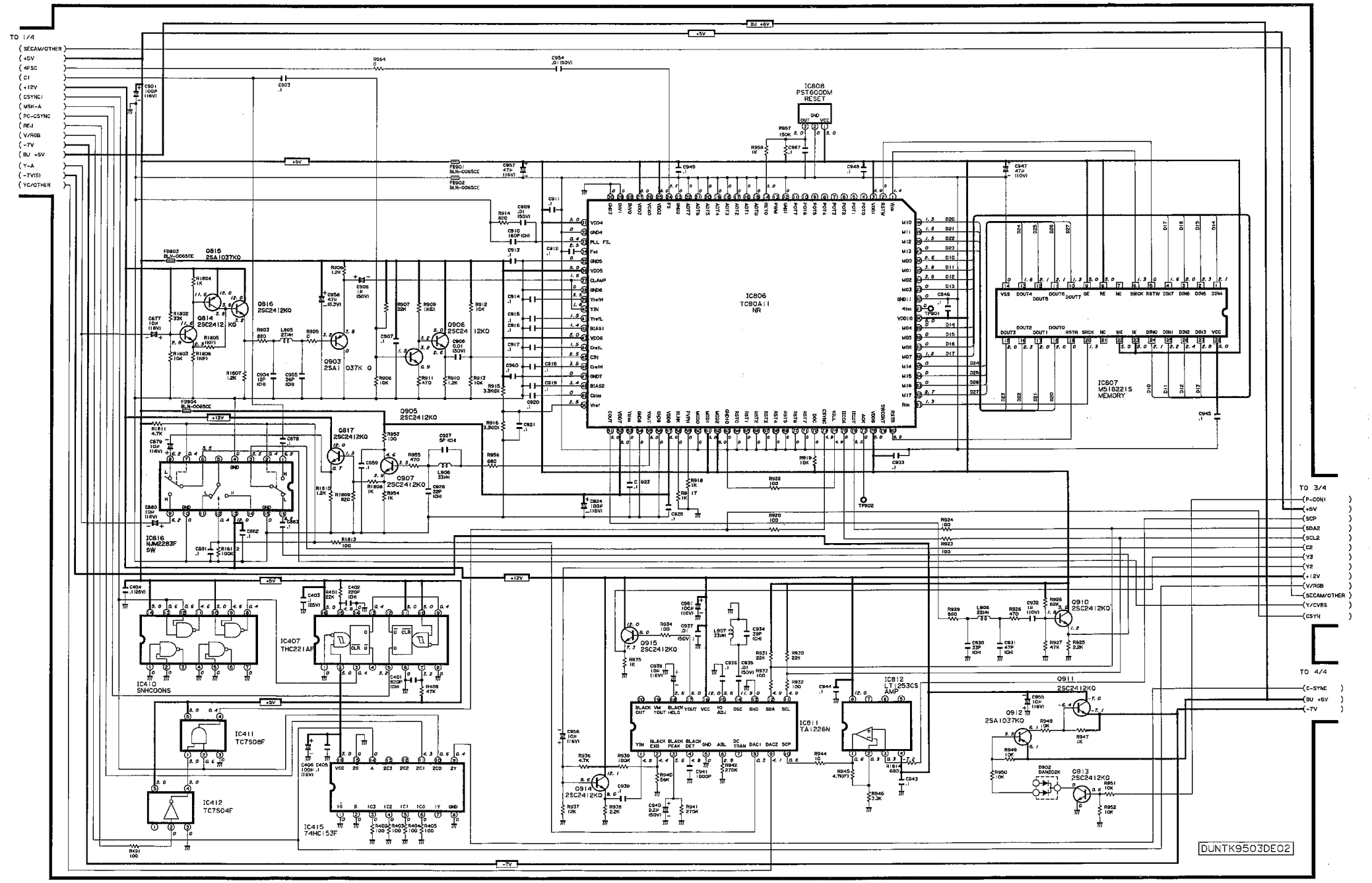


⑧ SC1201 (4-Pin)
H: 10μsec/div
V: 2V/div

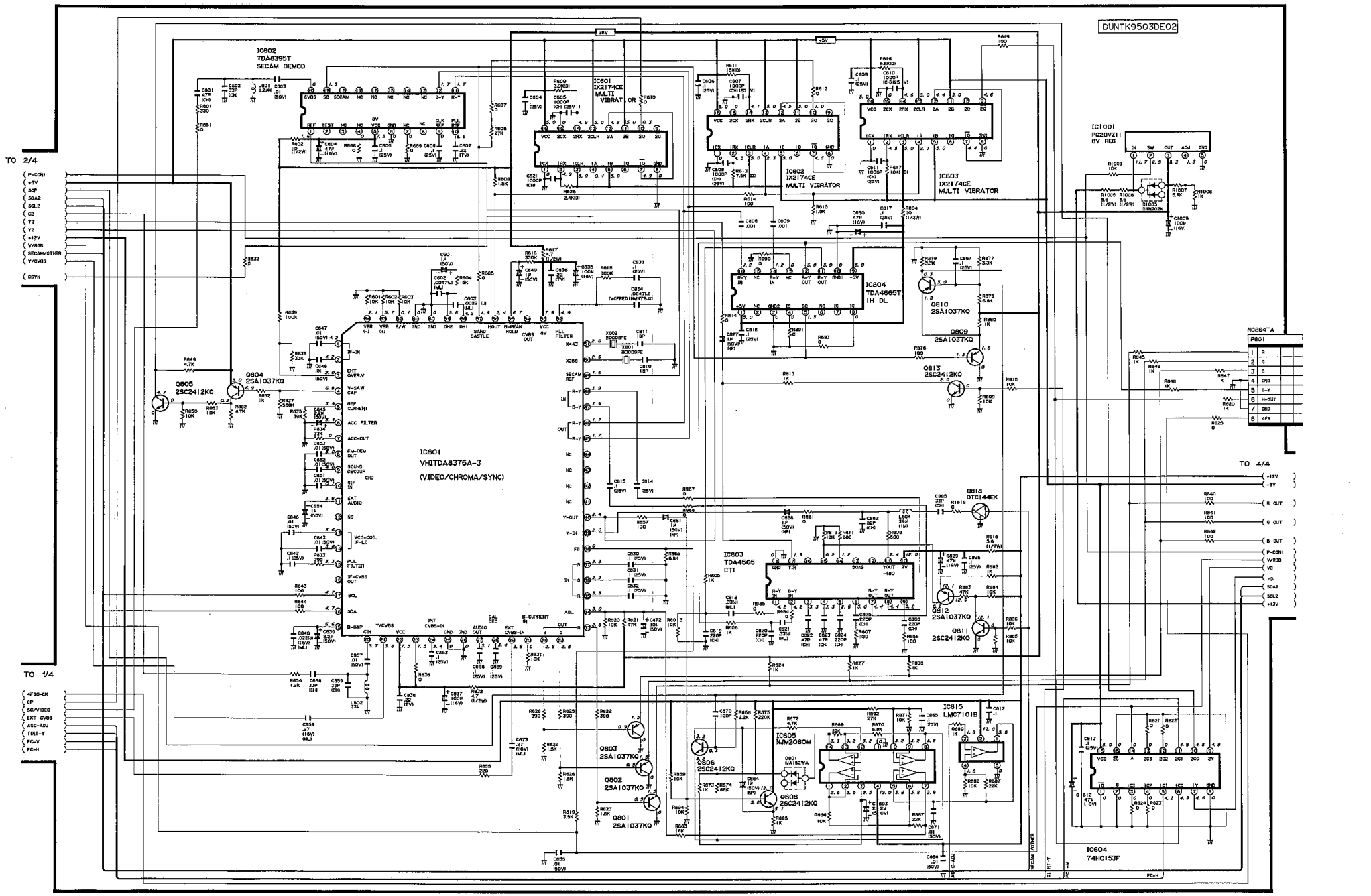
## ■ SIGNAL UNIT-1/4 / SIGNALEINHEIT-1/4



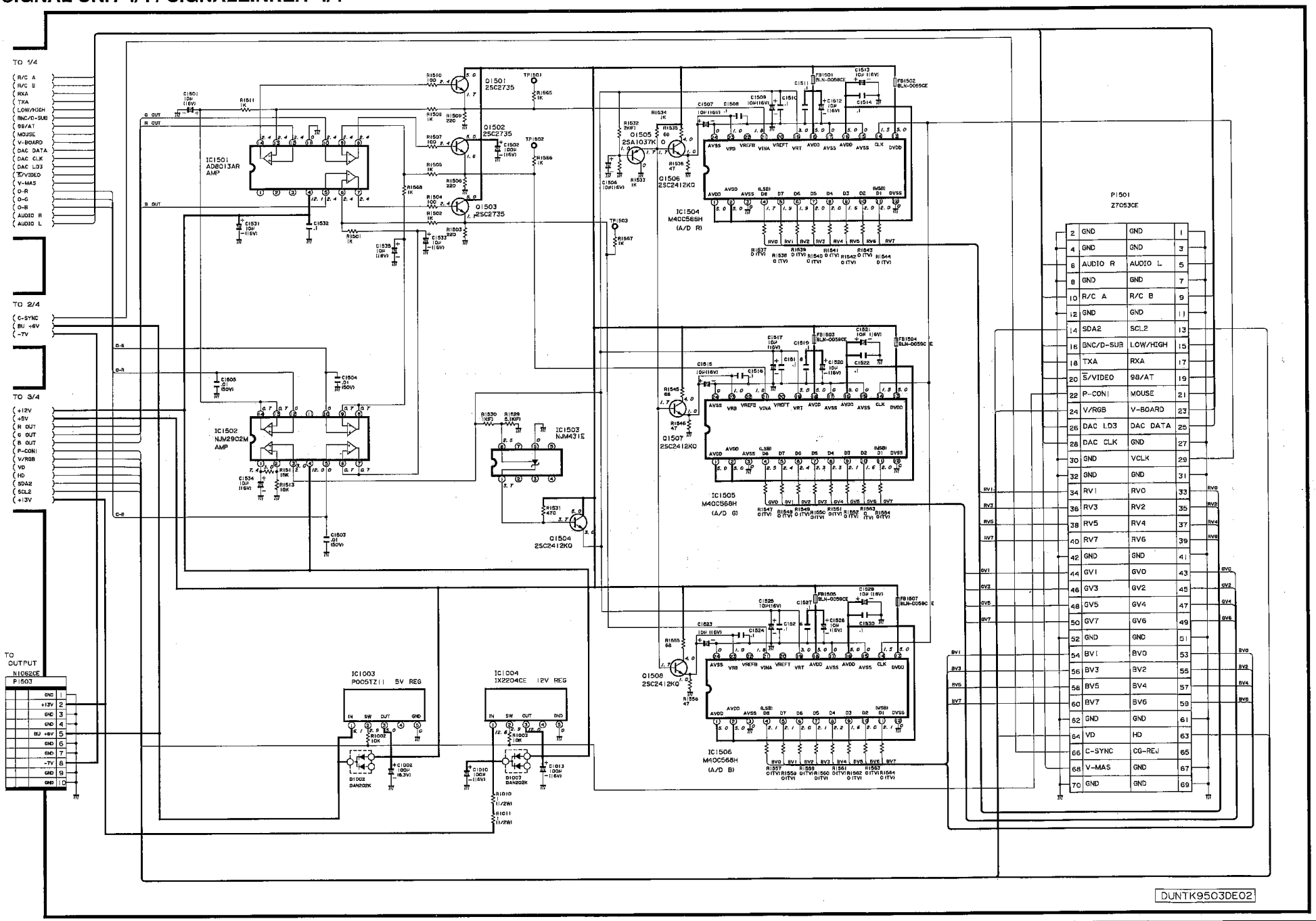
## ■ SIGNAL UNIT-2/4 / SIGNALEINHEIT-2/4



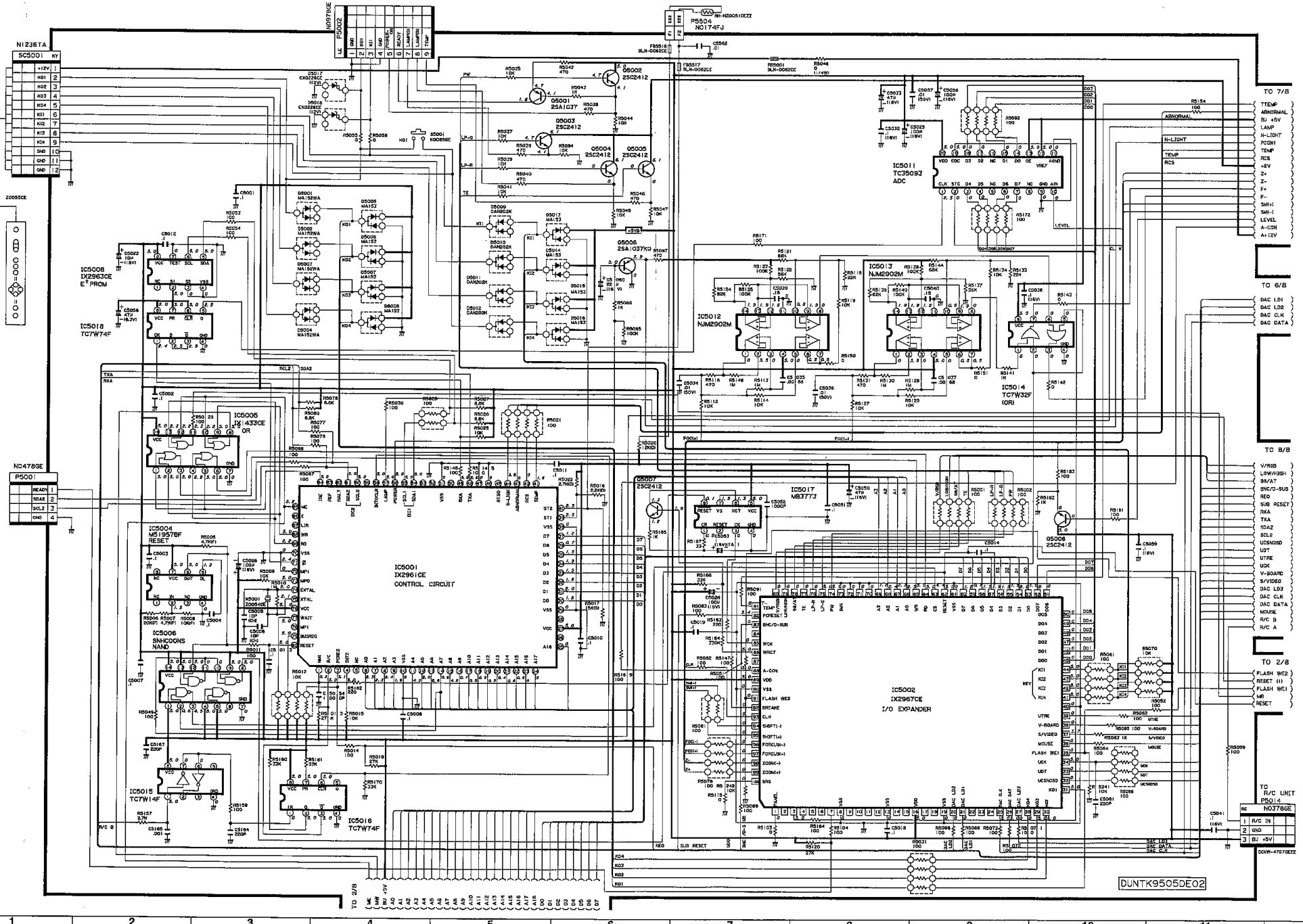
## ■ SIGNAL UNIT-3/4 / SIGNALEINHEIT-3/4



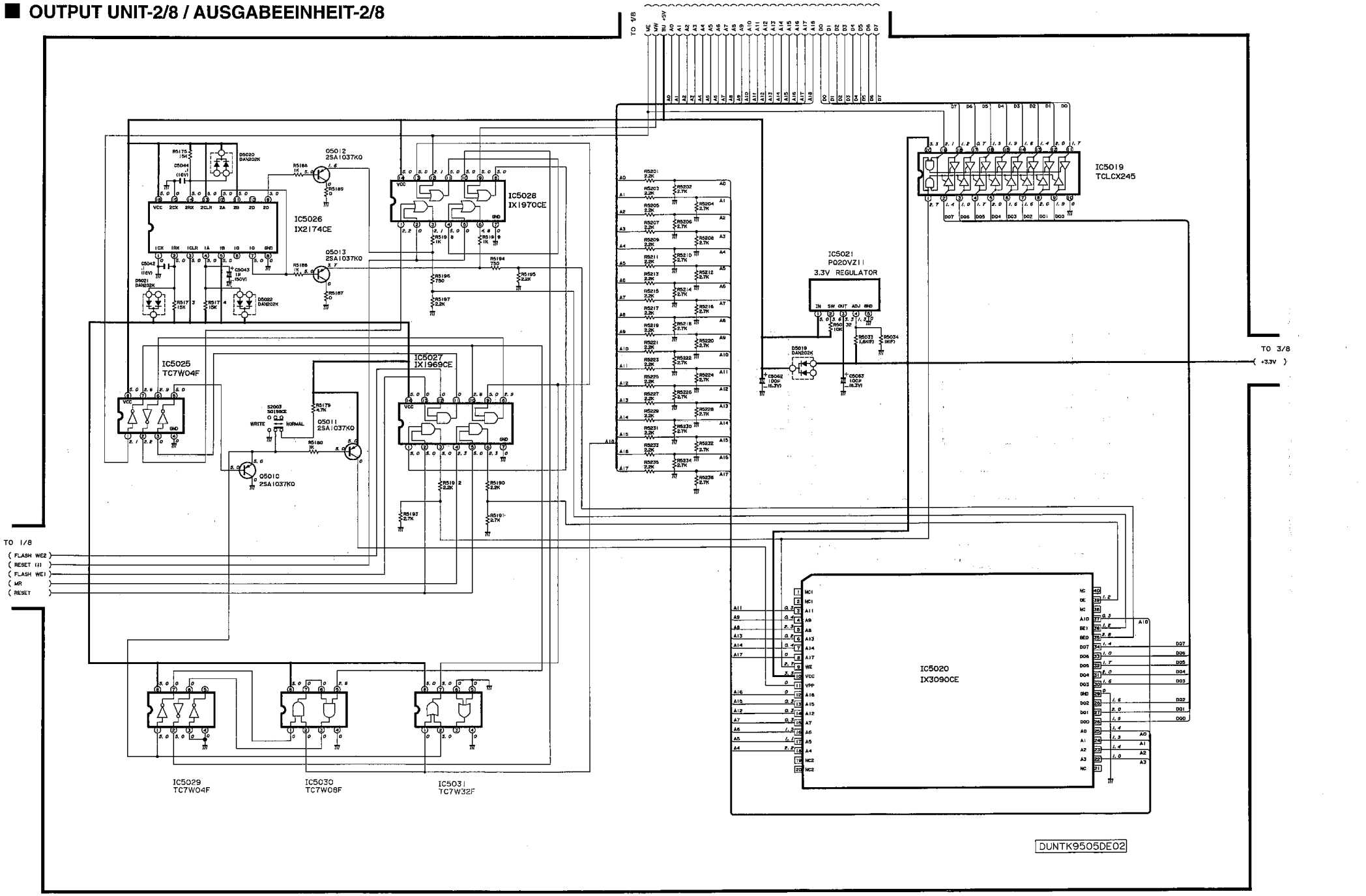
## SIGNAL UNIT-4/4 / SIGNALEINHEIT-4/4



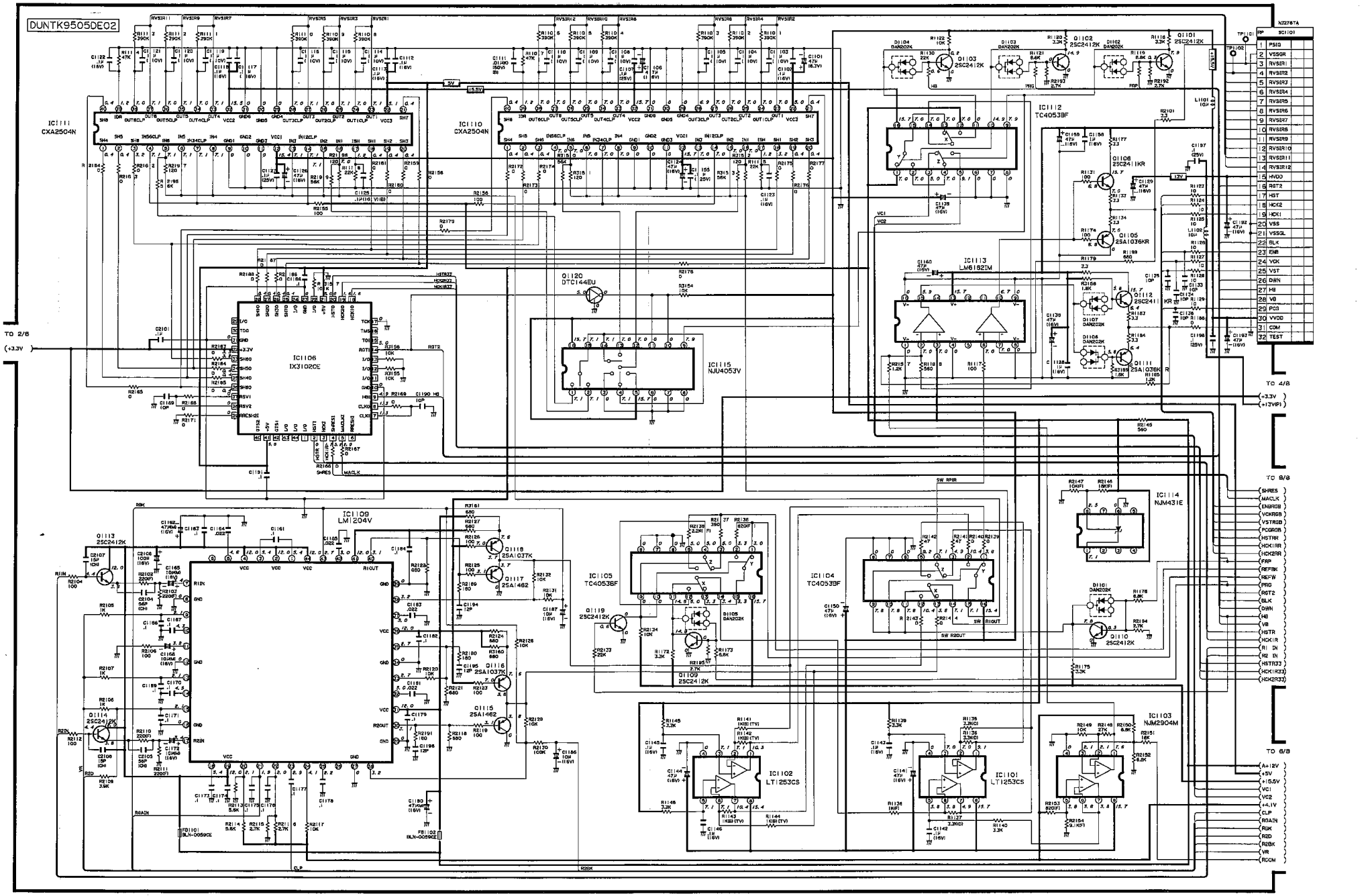
## ■ OUTPUT UNIT-1/8 / AUSGABEEINHEIT-1/8



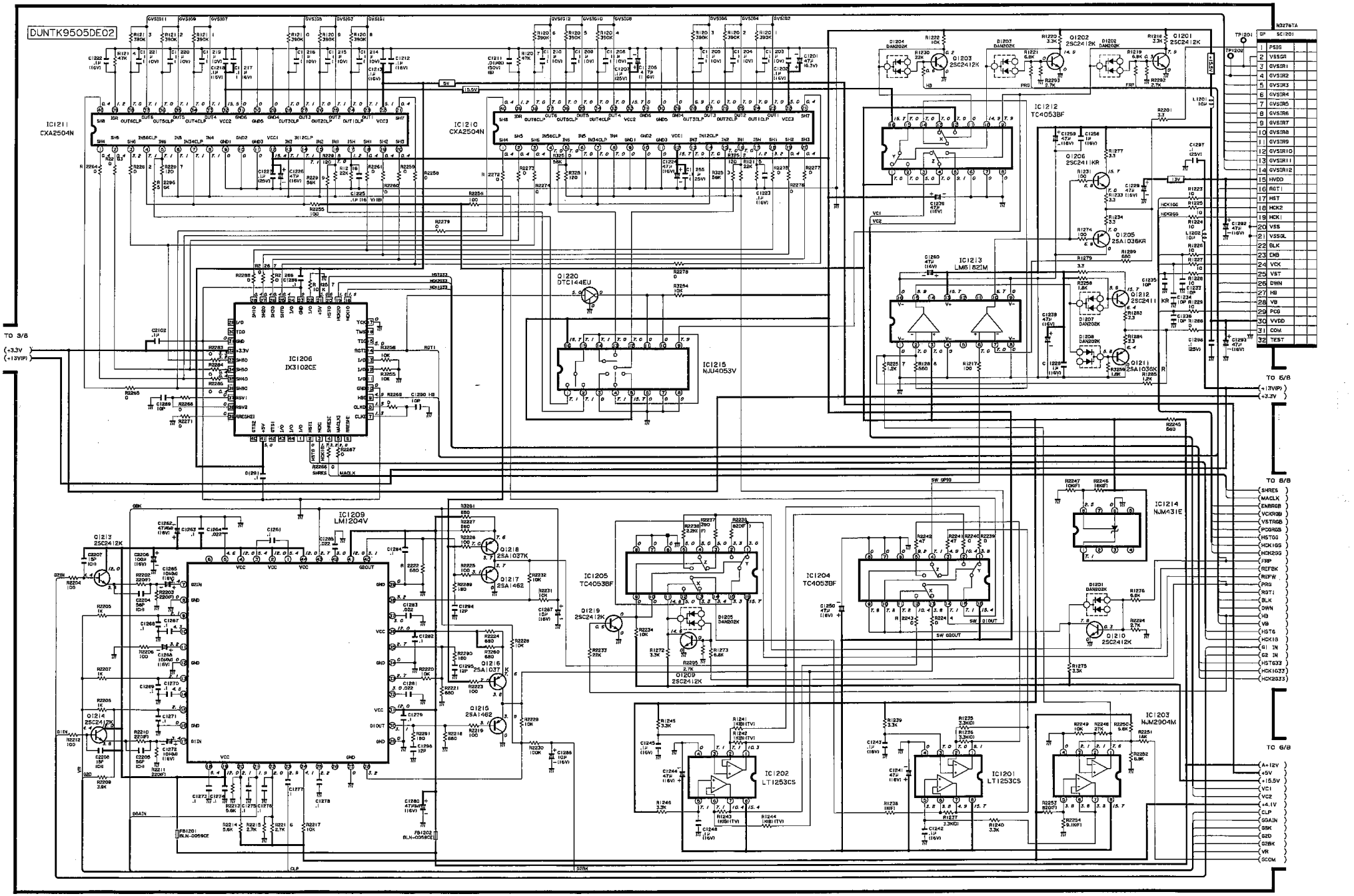
## ■ OUTPUT UNIT-2/8 / AUSGABEEINHEIT-2/8



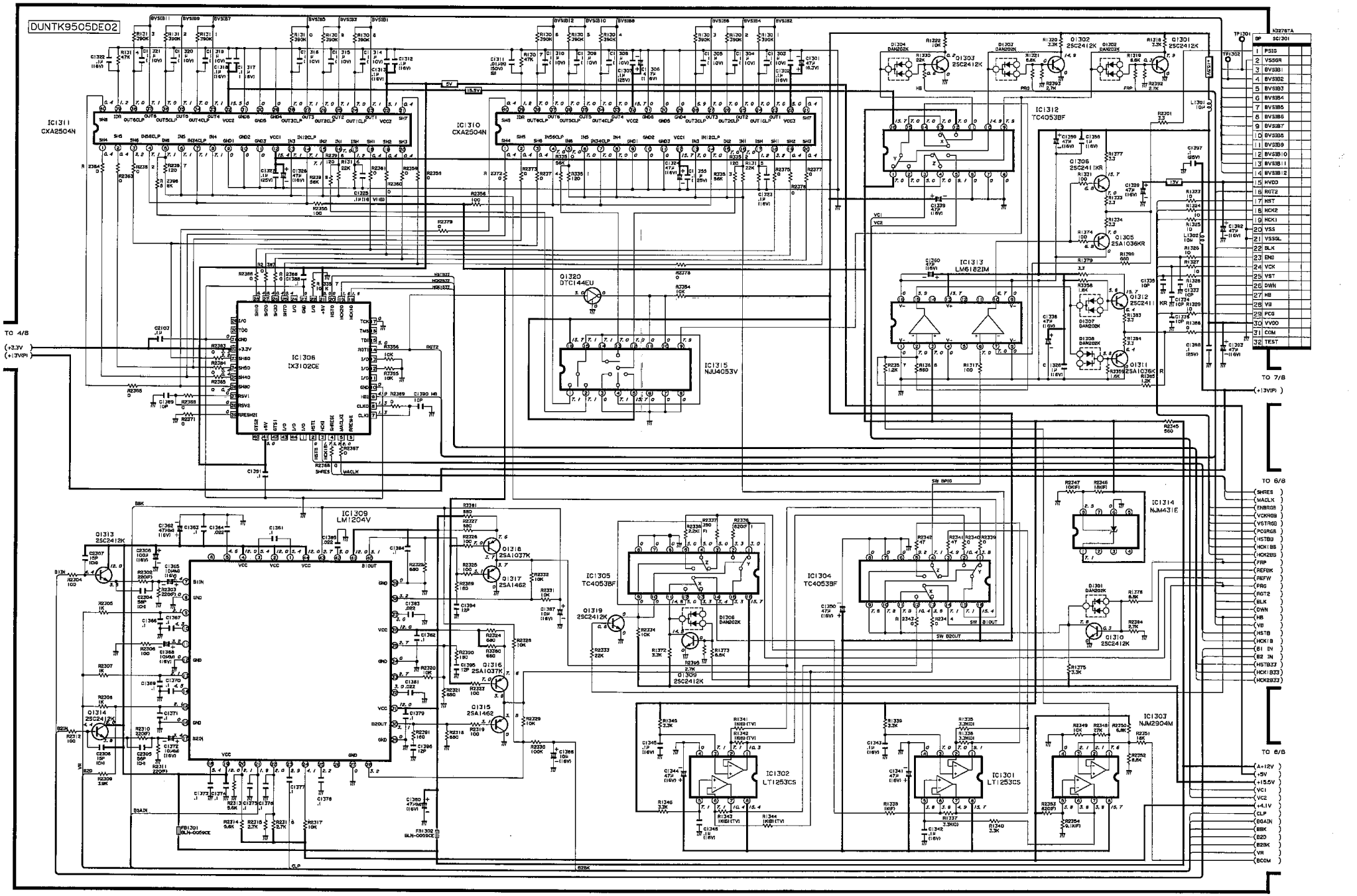
## ■ OUTPUT UNIT-3/8 / AUSGABEEINHEIT-3/8



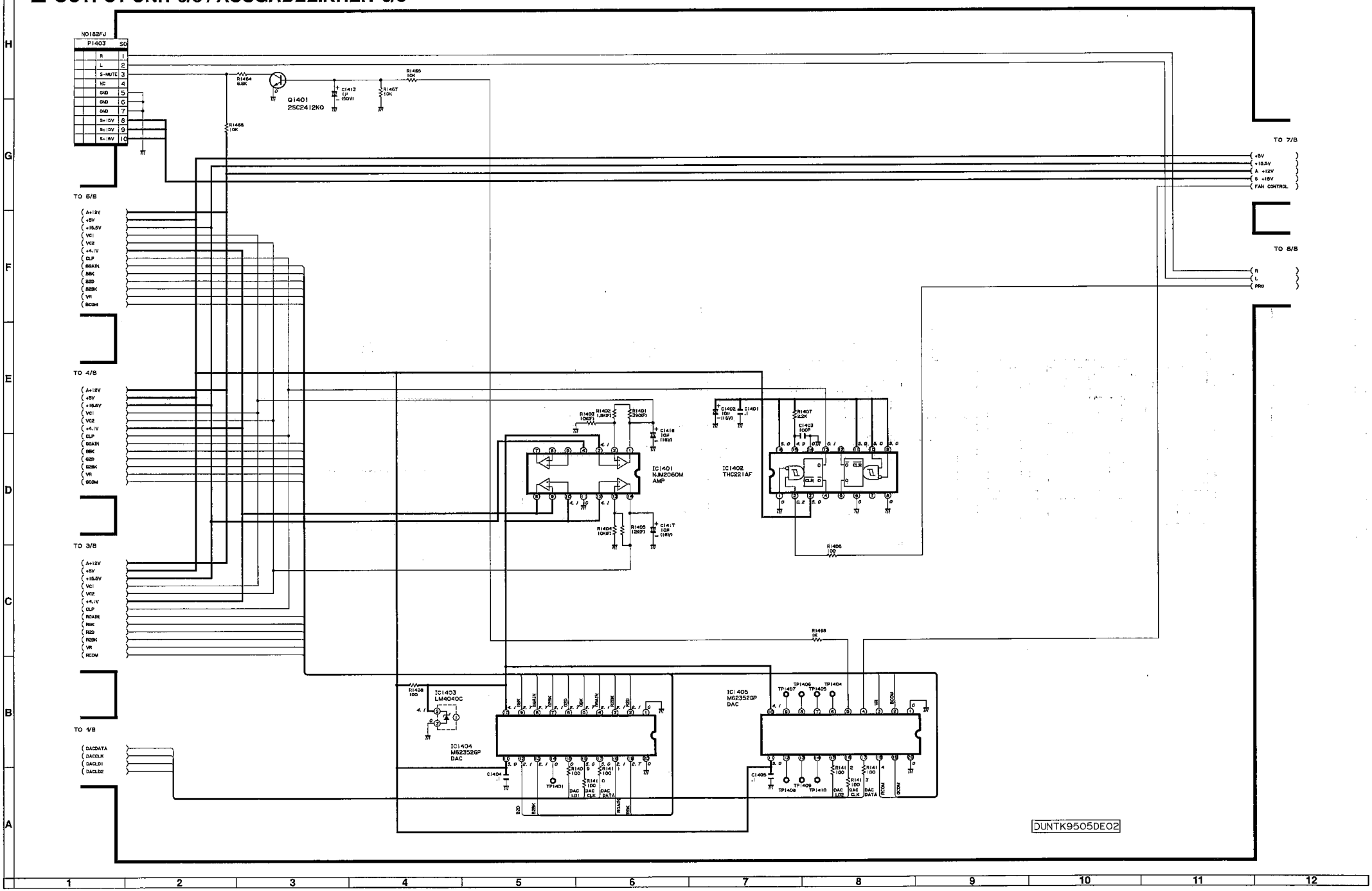
## ■ OUTPUT UNIT-4/8 / AUSGABEEINHEIT-4/8



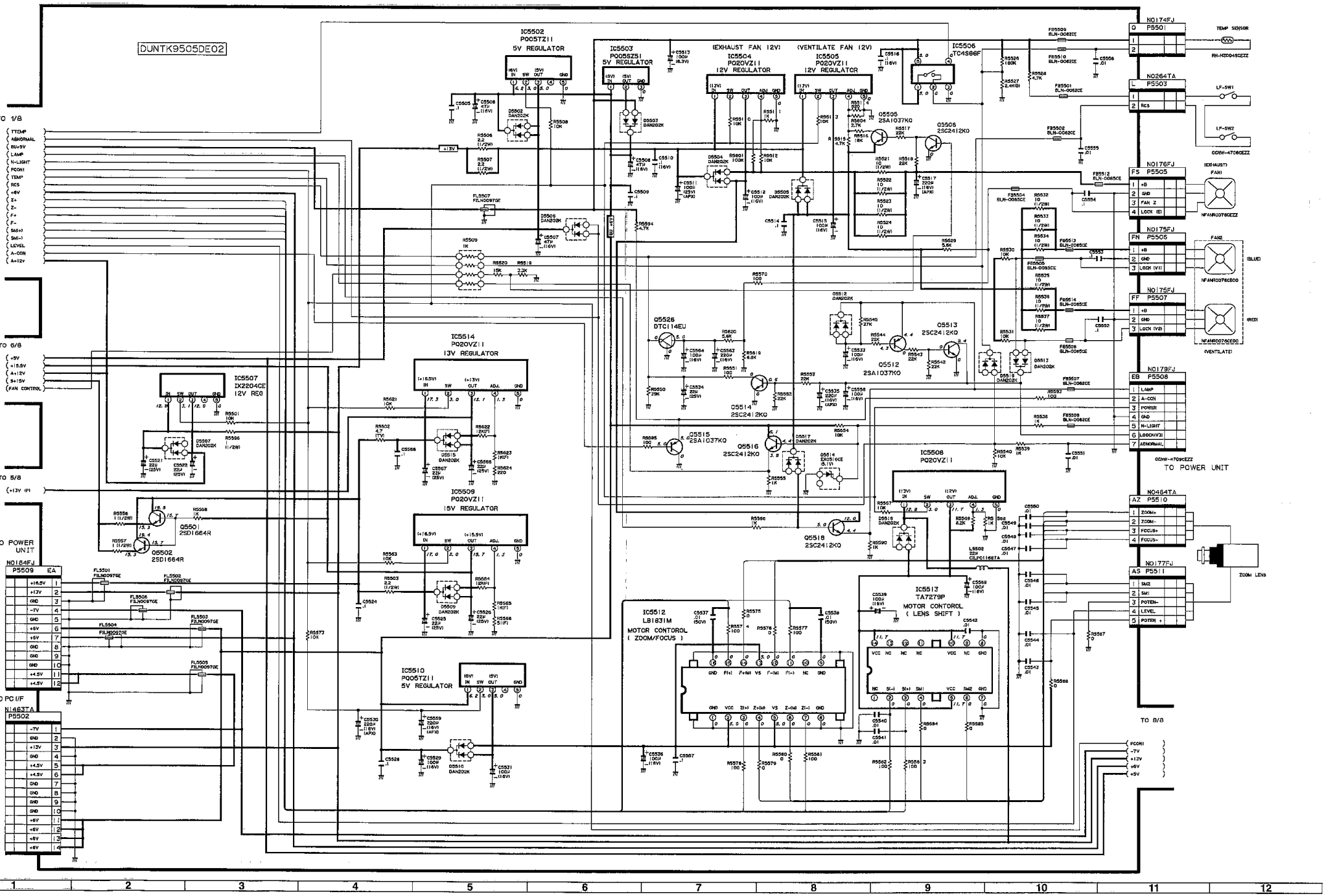
## ■ OUTPUT UNIT-5/8 / AUSGABEEINHEIT-5/8



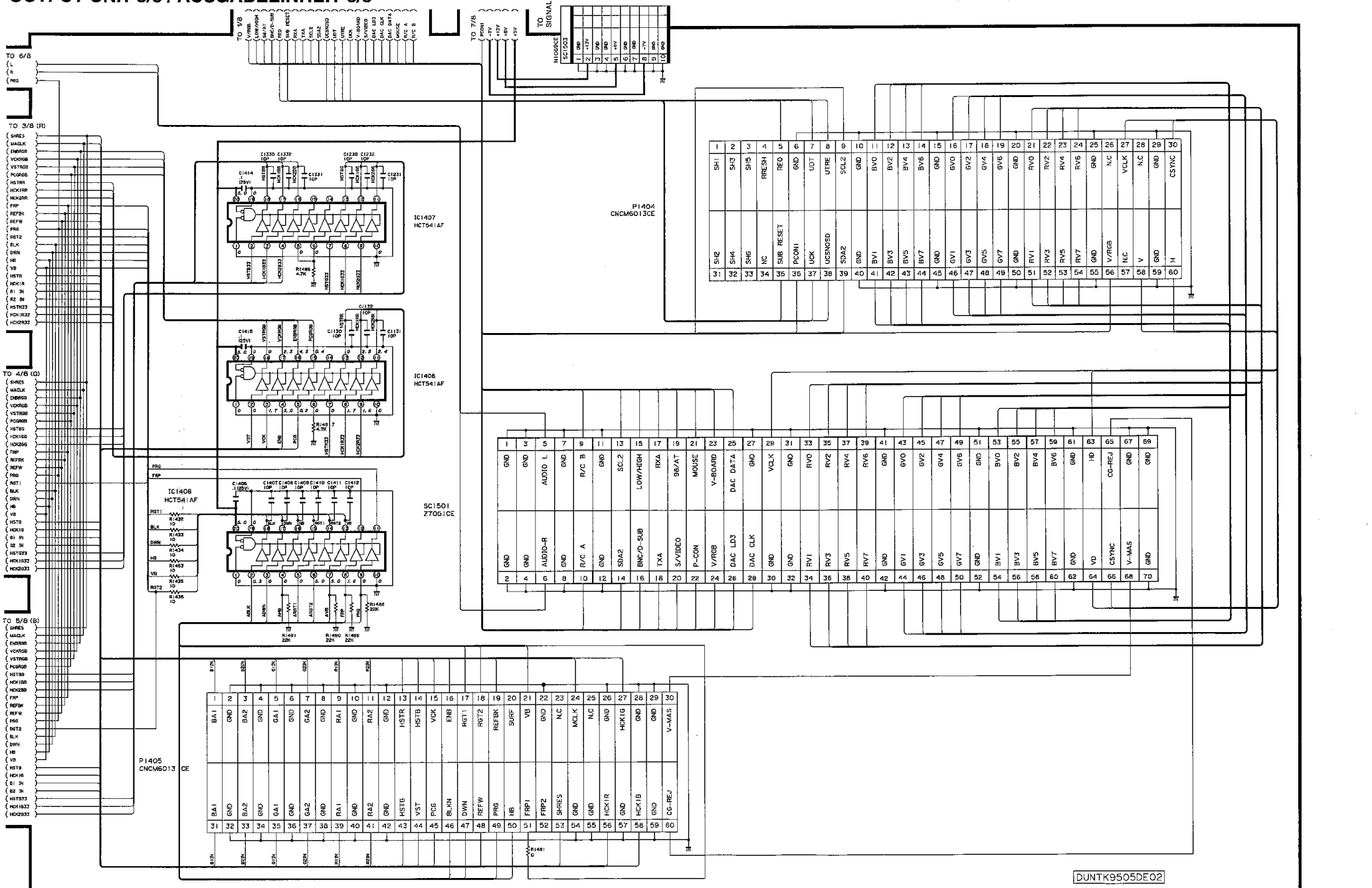
## ■ OUTPUT UNIT-6/8 / AUSGABEEINHEIT-6/8



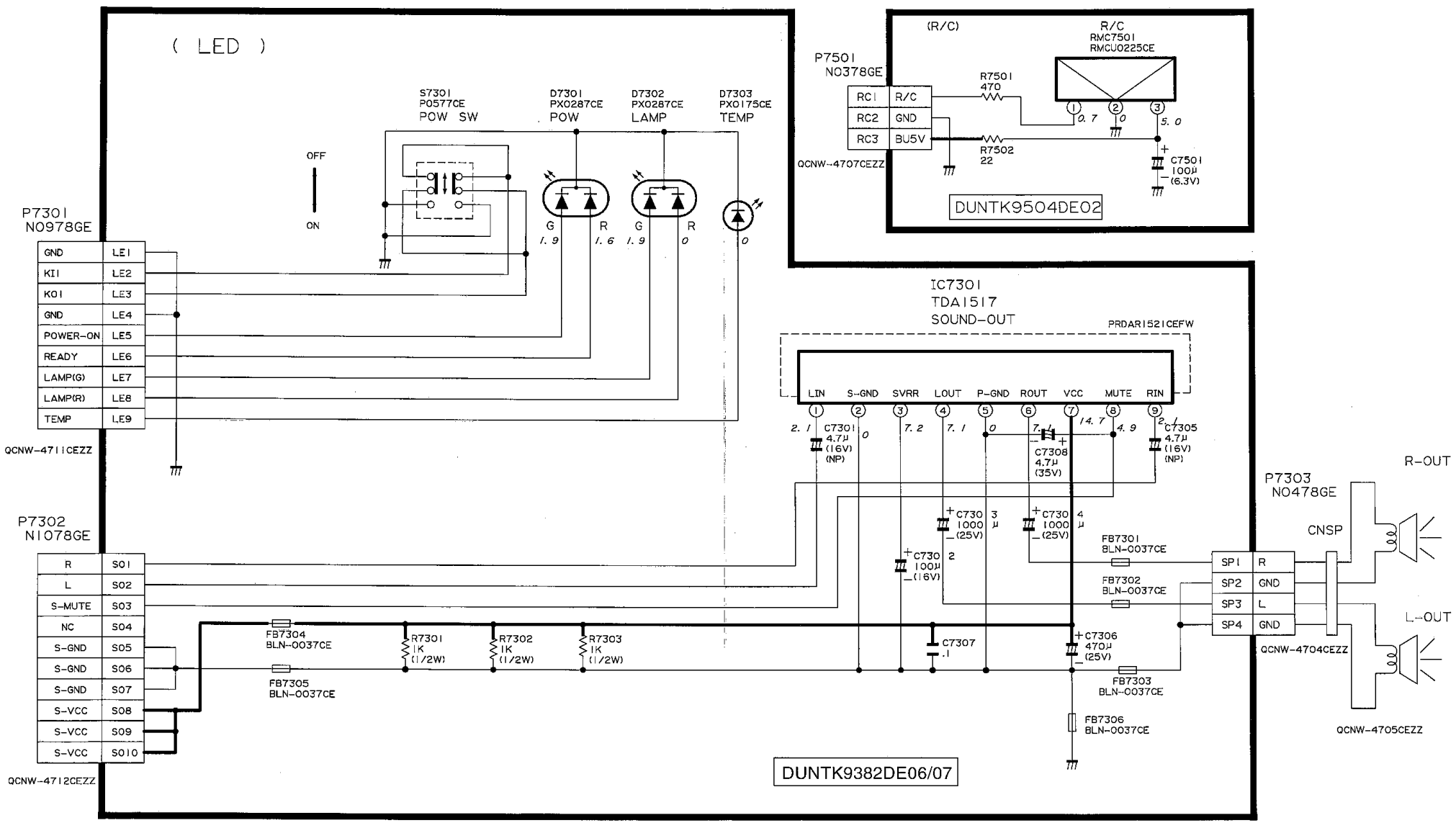
## ■ OUTPUT UNIT-7/8 / AUSGABEEINHEIT-7/8



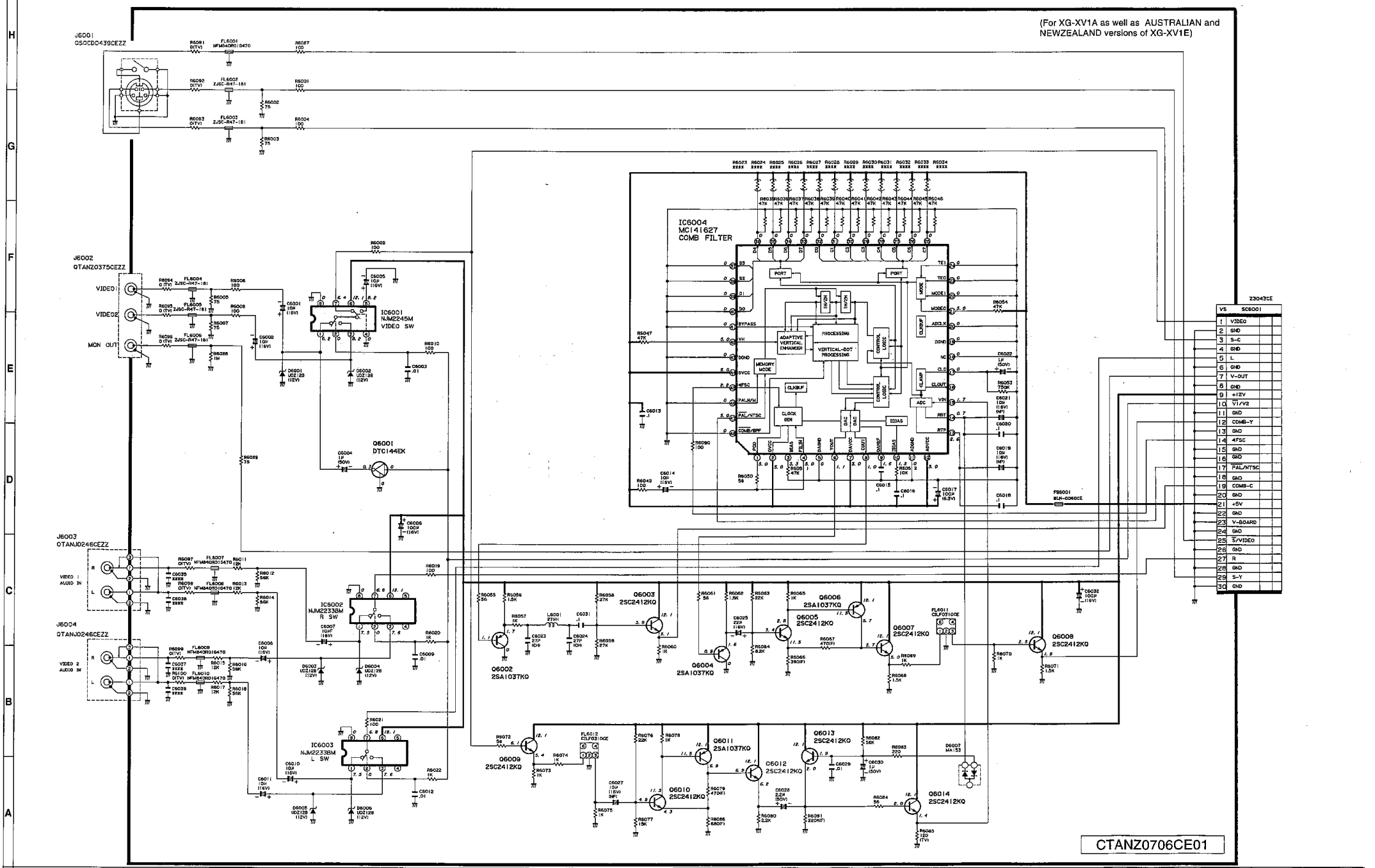
## OUTPUT UNIT-8/8 / AUSGABEEINHEIT-8/8



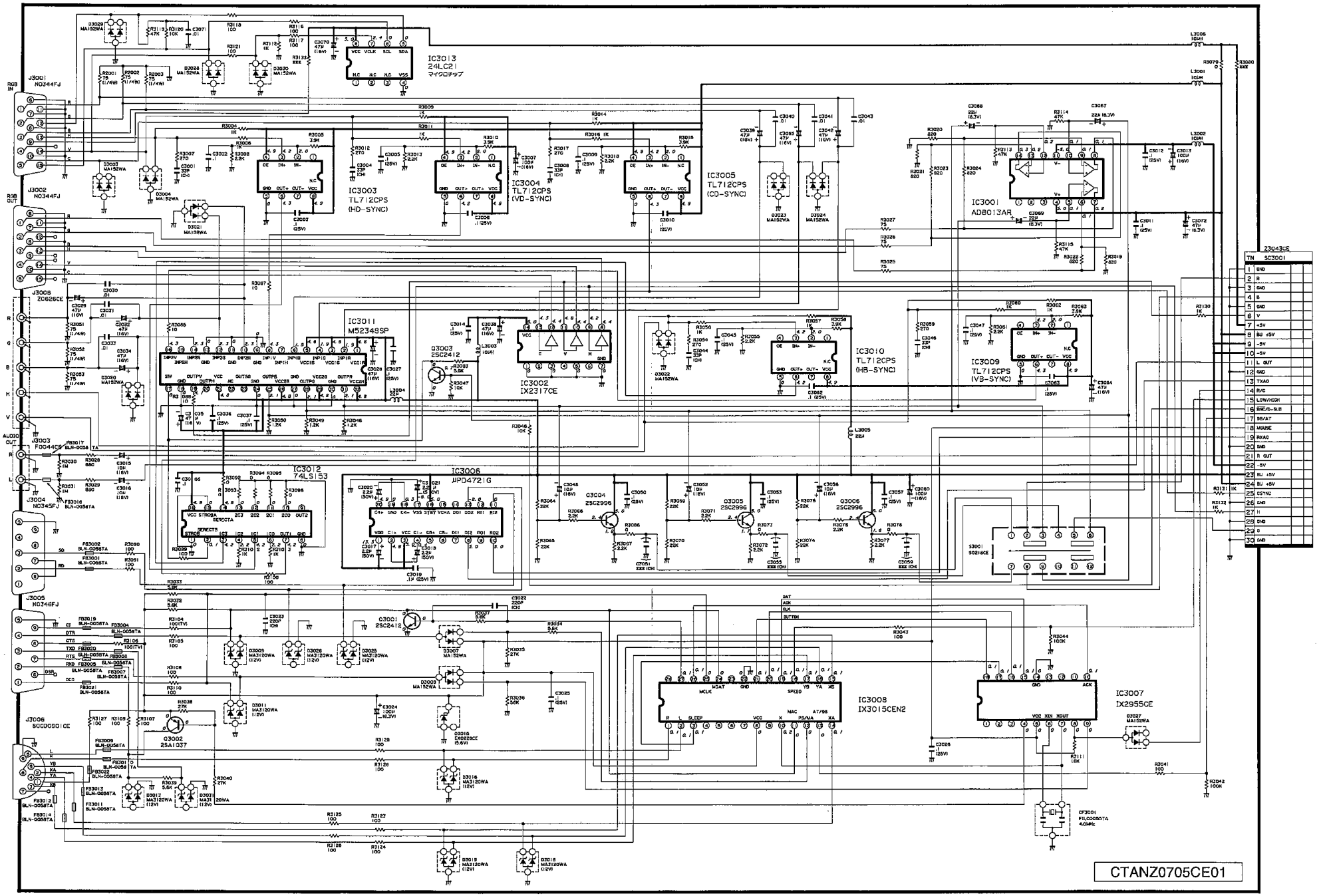
## ■ LED and INFRARED R/C RECEIVER UNIT / LED-EINHEIT sowie INFRAROTEMPFÄNGEREINHEIT



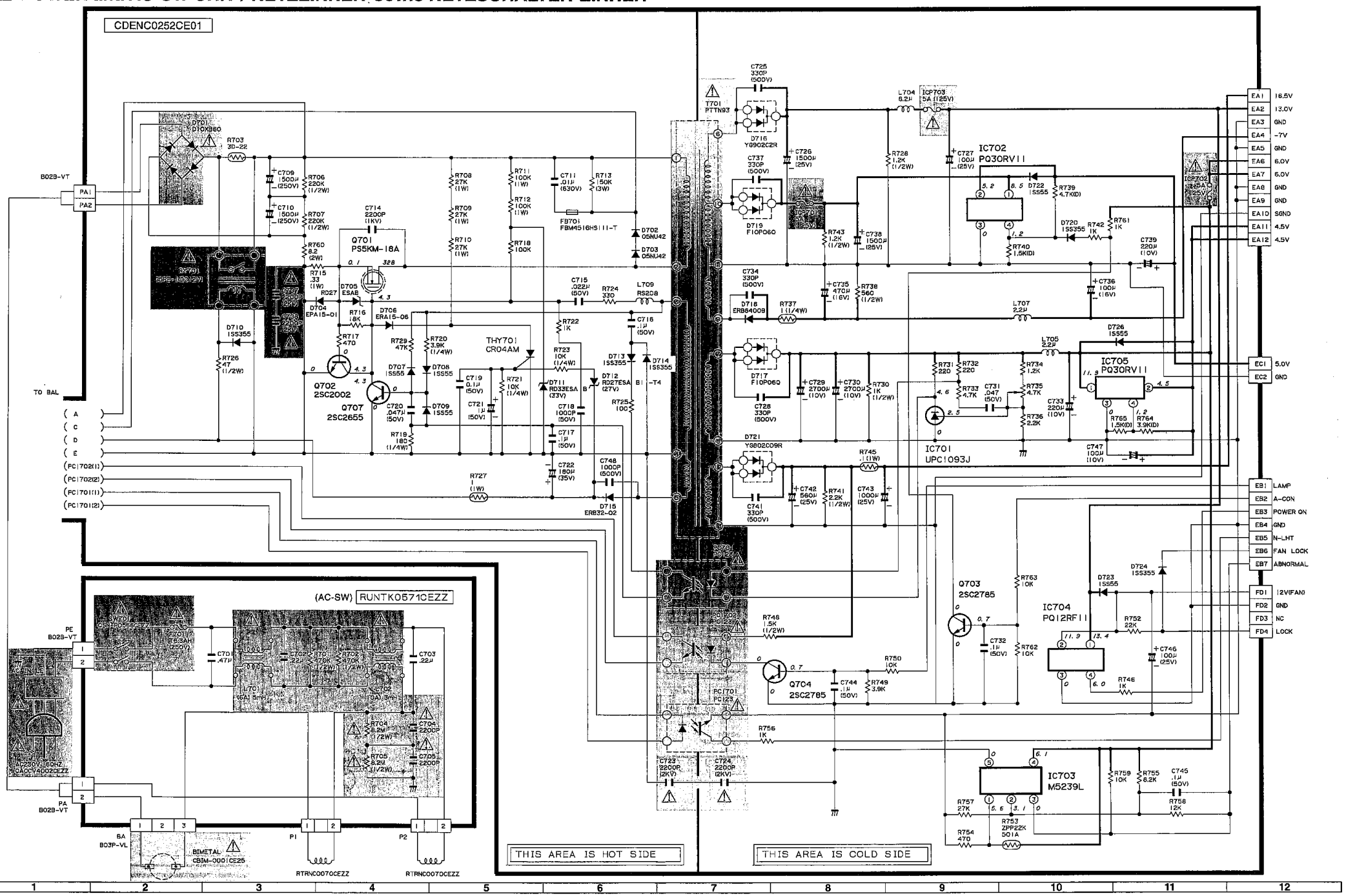
## ■ VIDEO BOARD UNIT / VIDEOKARTENEINHEIT



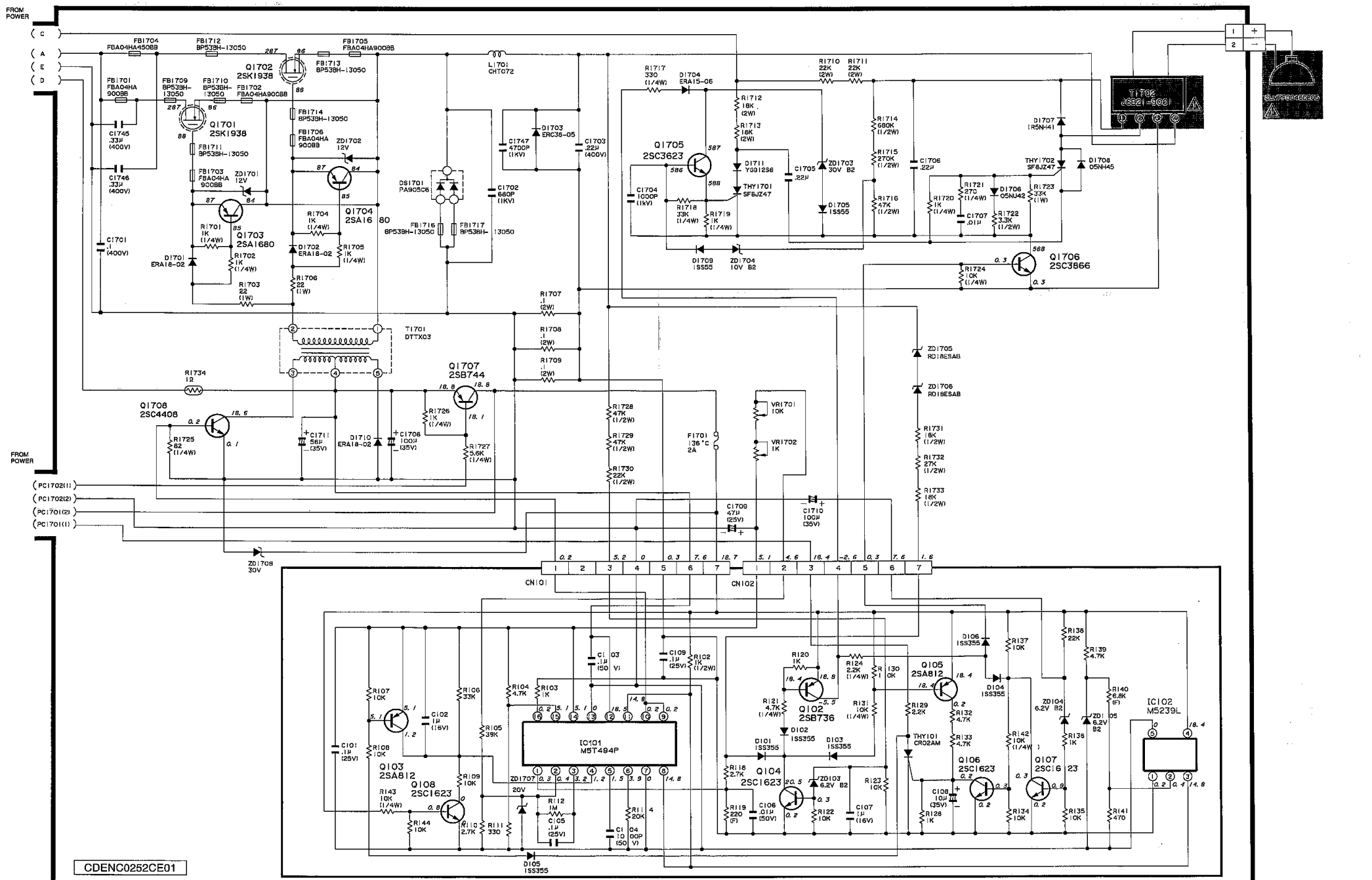
## ■ PC TERMINAL UNIT / PC-ANSCHLUBEINHEIT



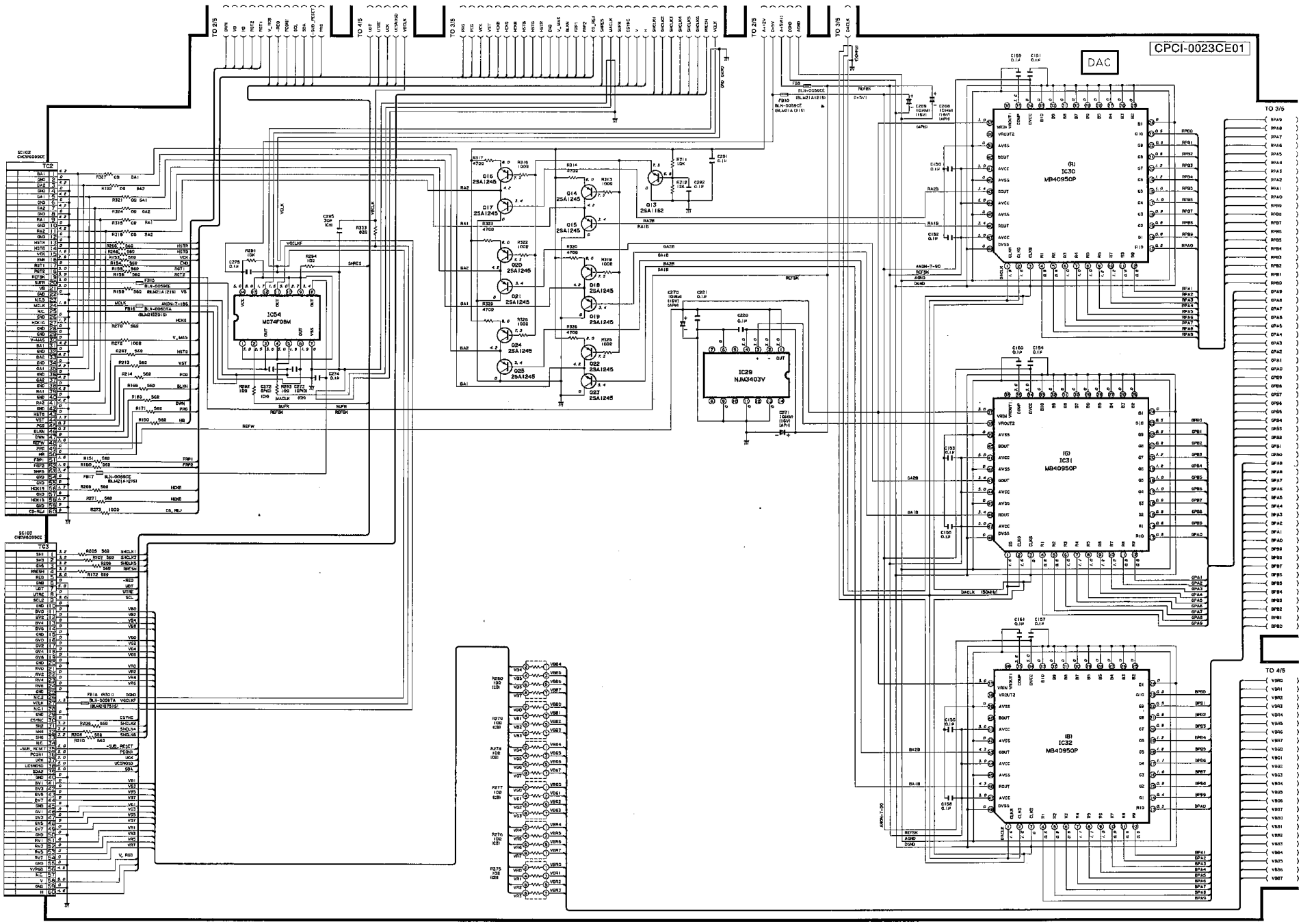
## ■ POWER and AC-SW UNIT / NETZEINHEIT sowie NETZSCHALTER-EINHEIT



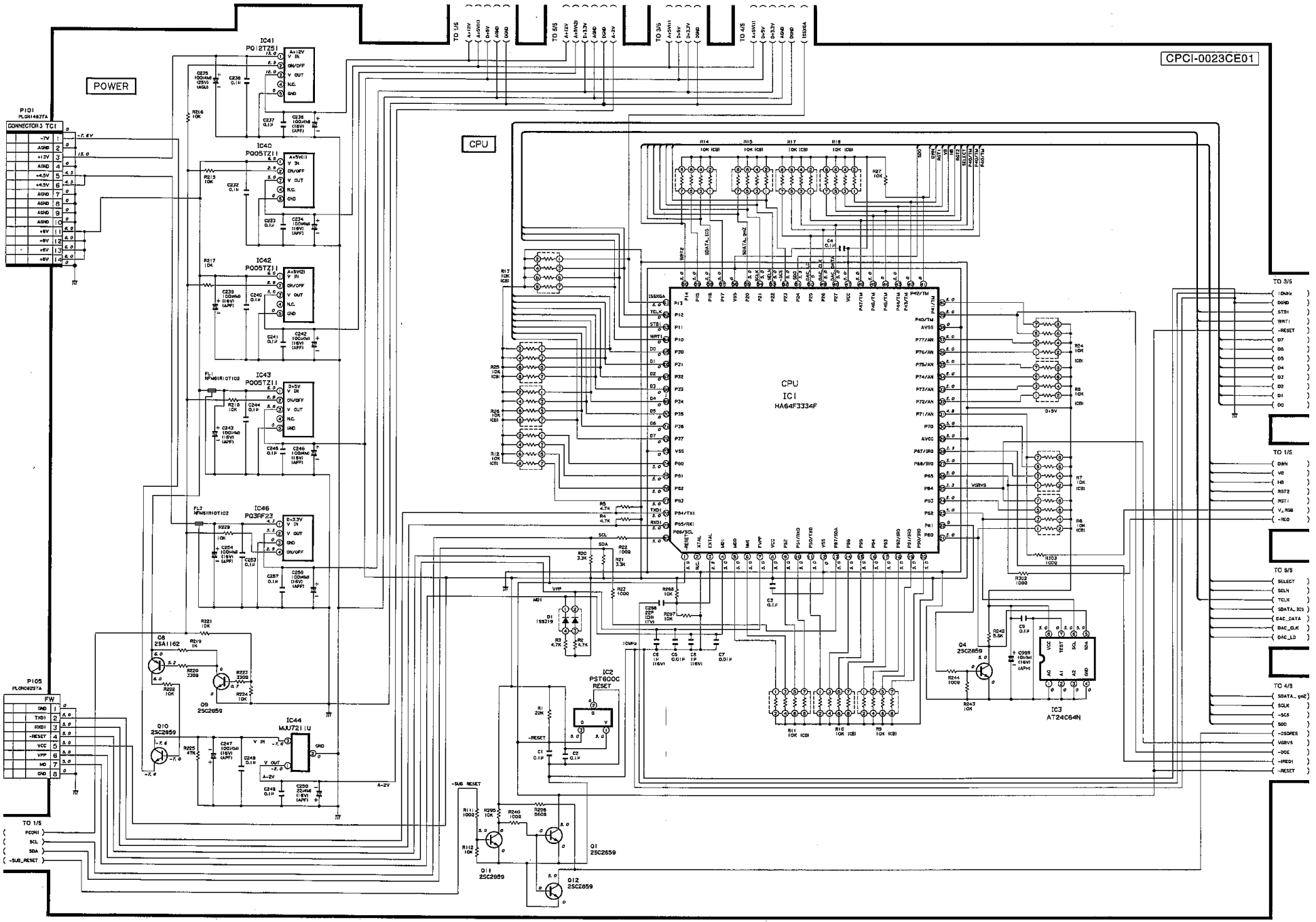
## ■ BALLAST UNIT / BALLAST-EINHEIT



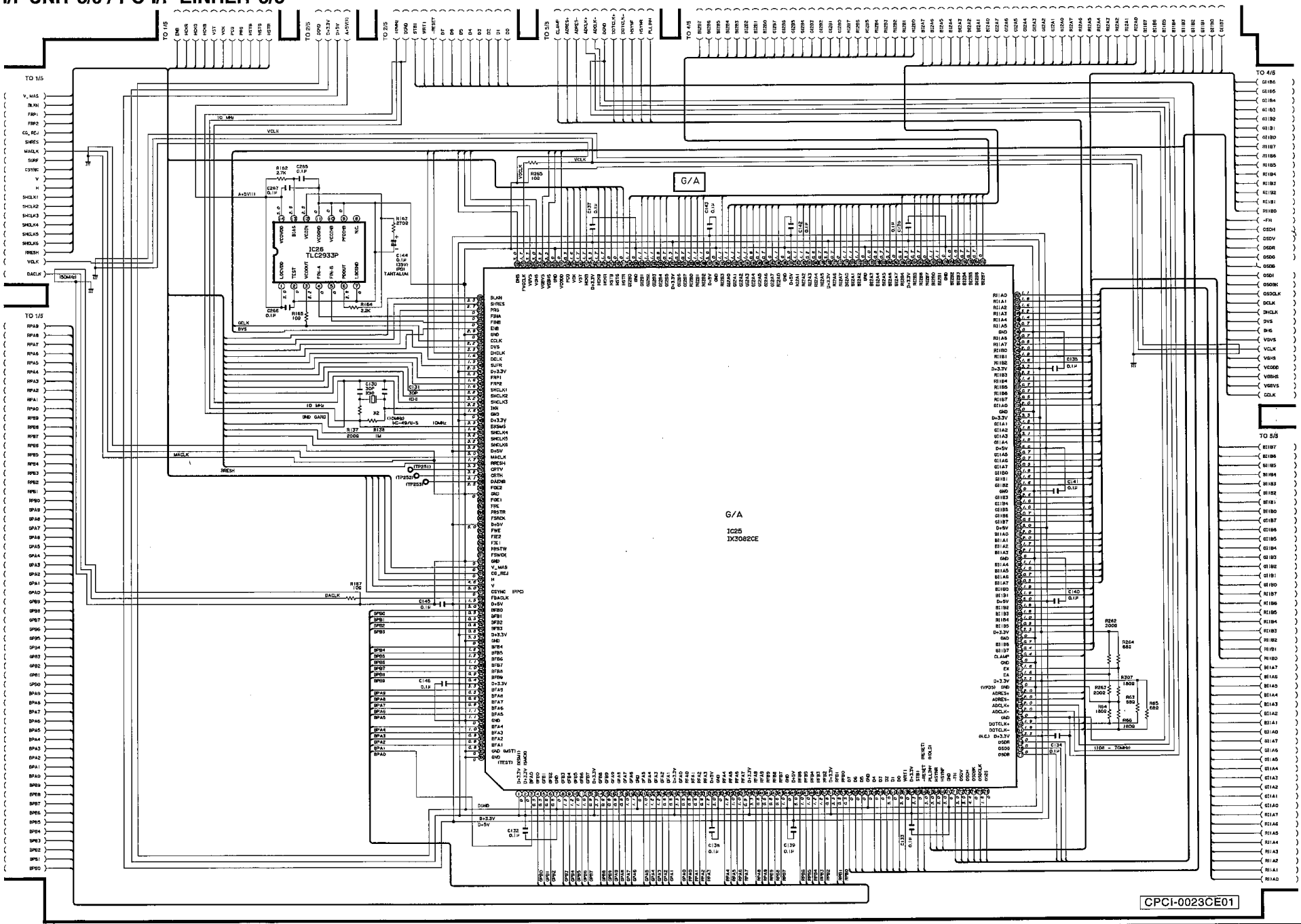
## ■ PC I/F UNIT-1/5 / PC-I/F-EINHEIT-1/5



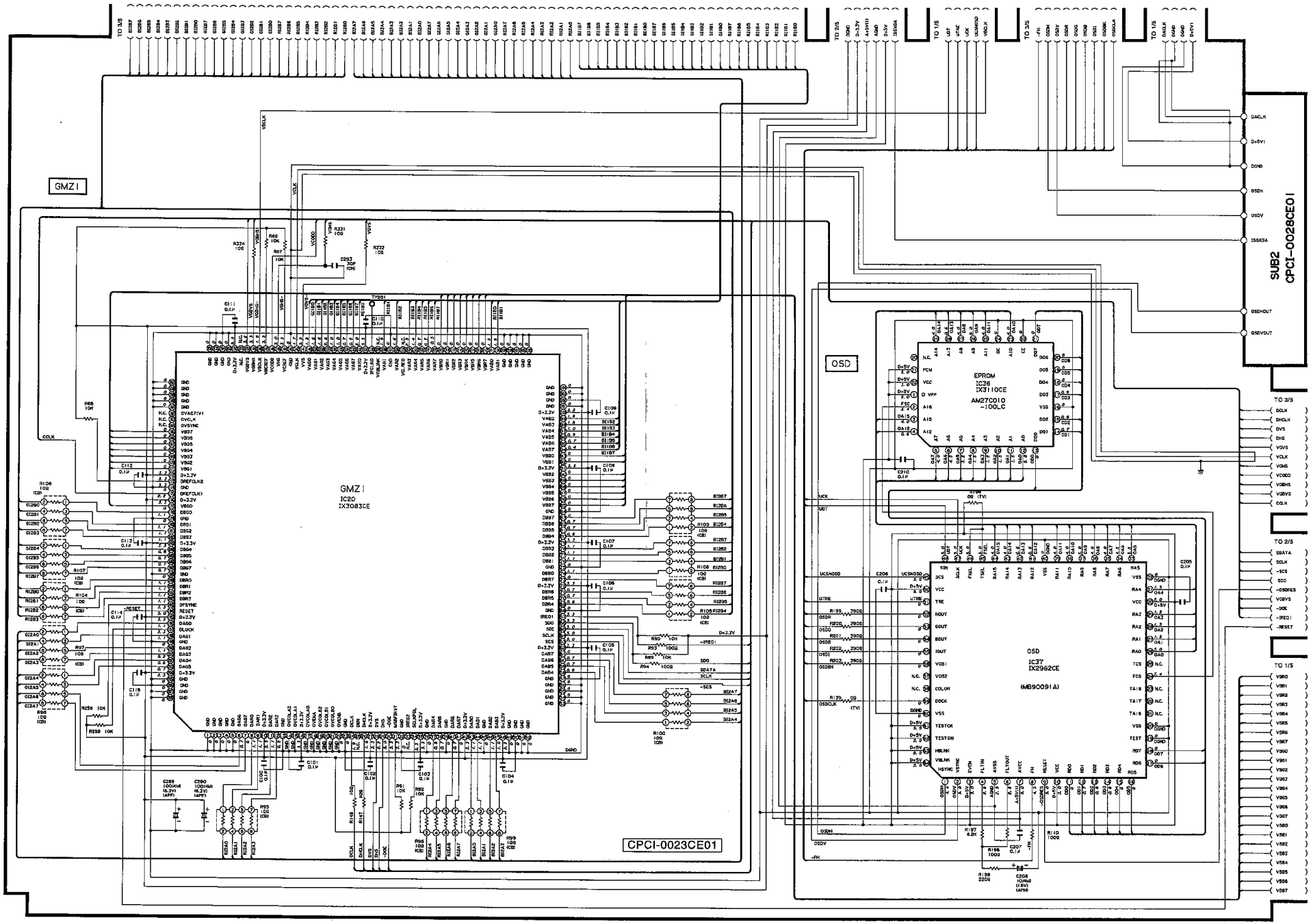
## ■ PC I/F UNIT-2/5 / PC-I/F-EINHEIT-2/5



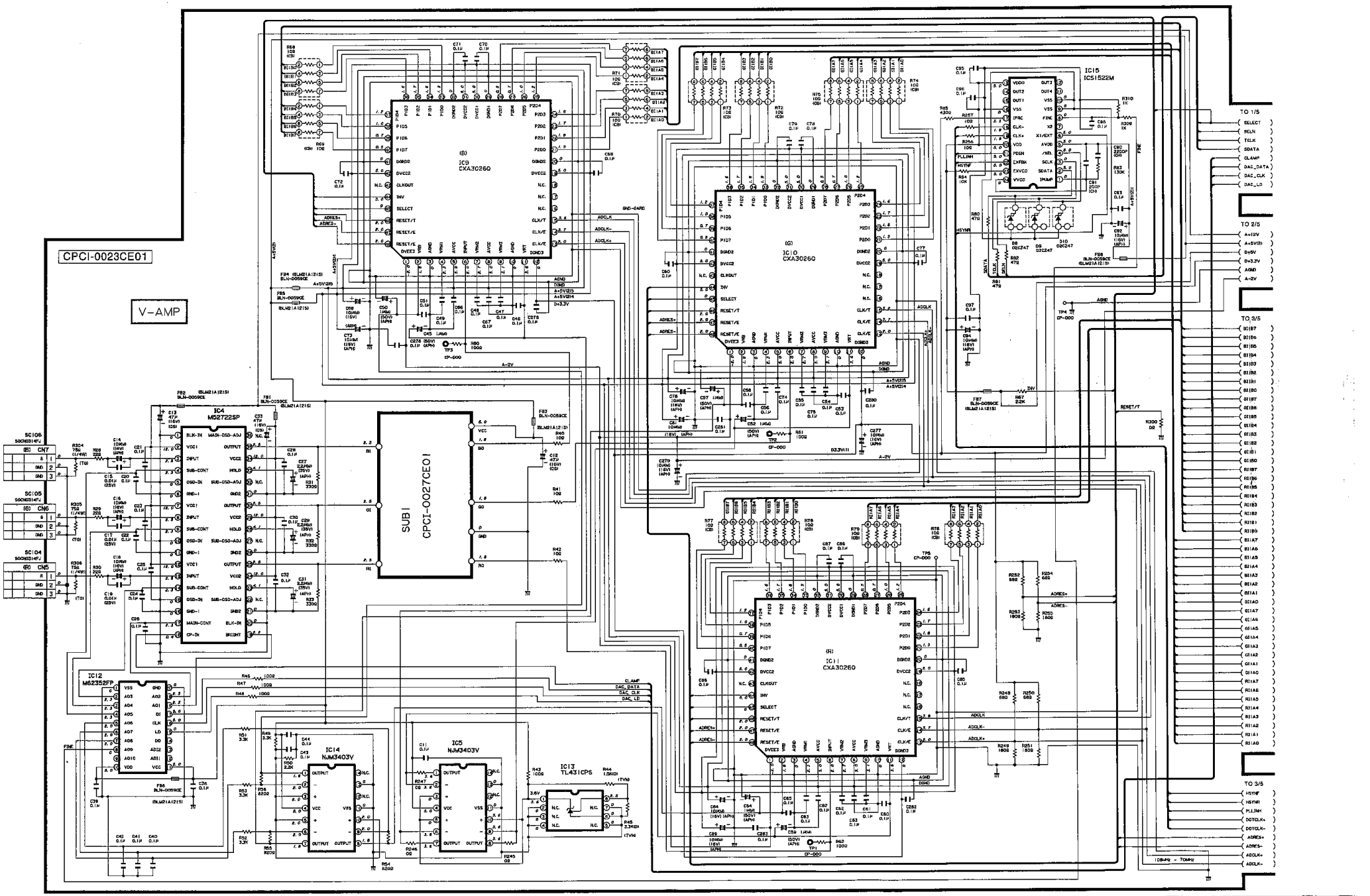
## ■ PC I/F UNIT-3/5 / PC-I/F-EINHEIT-3/5



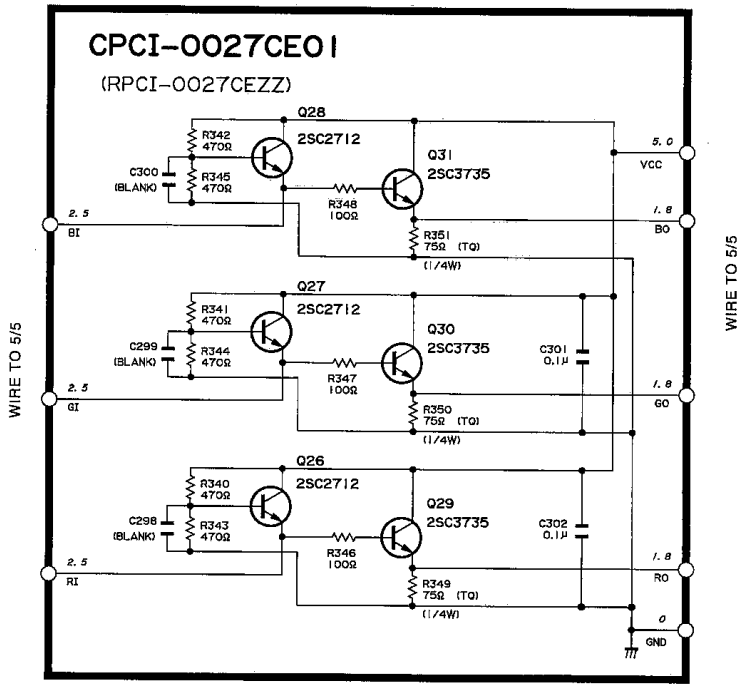
## ■ PC I/F UNIT-4/5 / PC-I/F-EINHEIT-4/5



## ■ PC I/F UNIT-5/5 / PC-I/F-EINHEIT-5/5

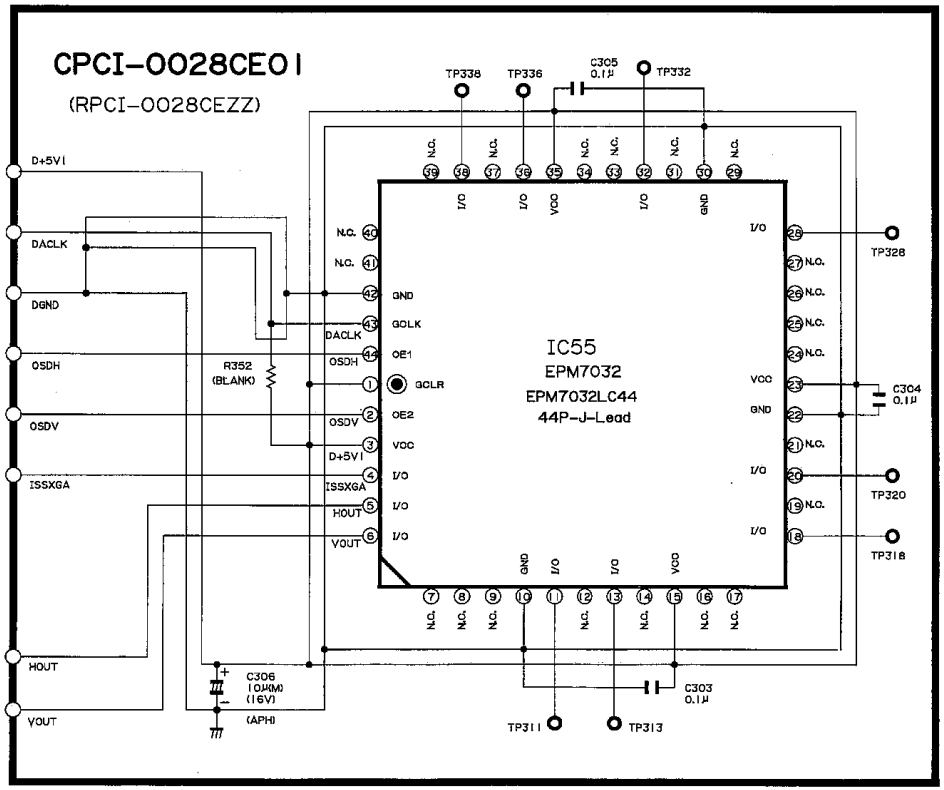


## ■ PC I/F SUB 1 UNIT / PC-I/F-NEBEN 1-EINHEIT

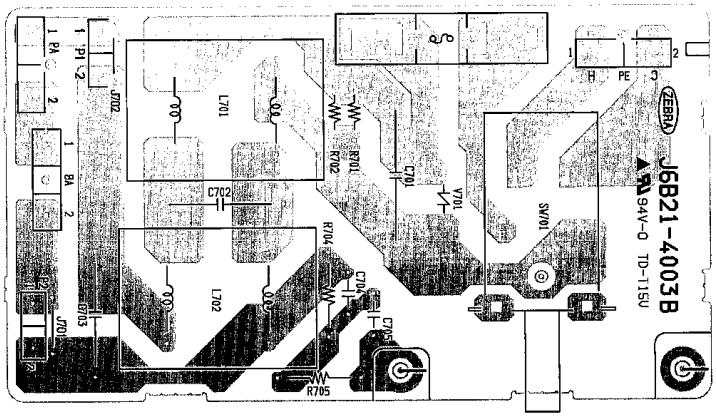




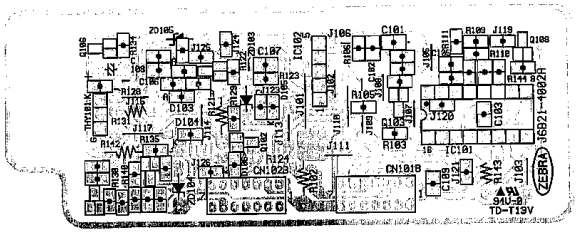

## ■ PC I/F SUB 2 UNIT / PC-I/F-NEBEN 2-EINHEIT



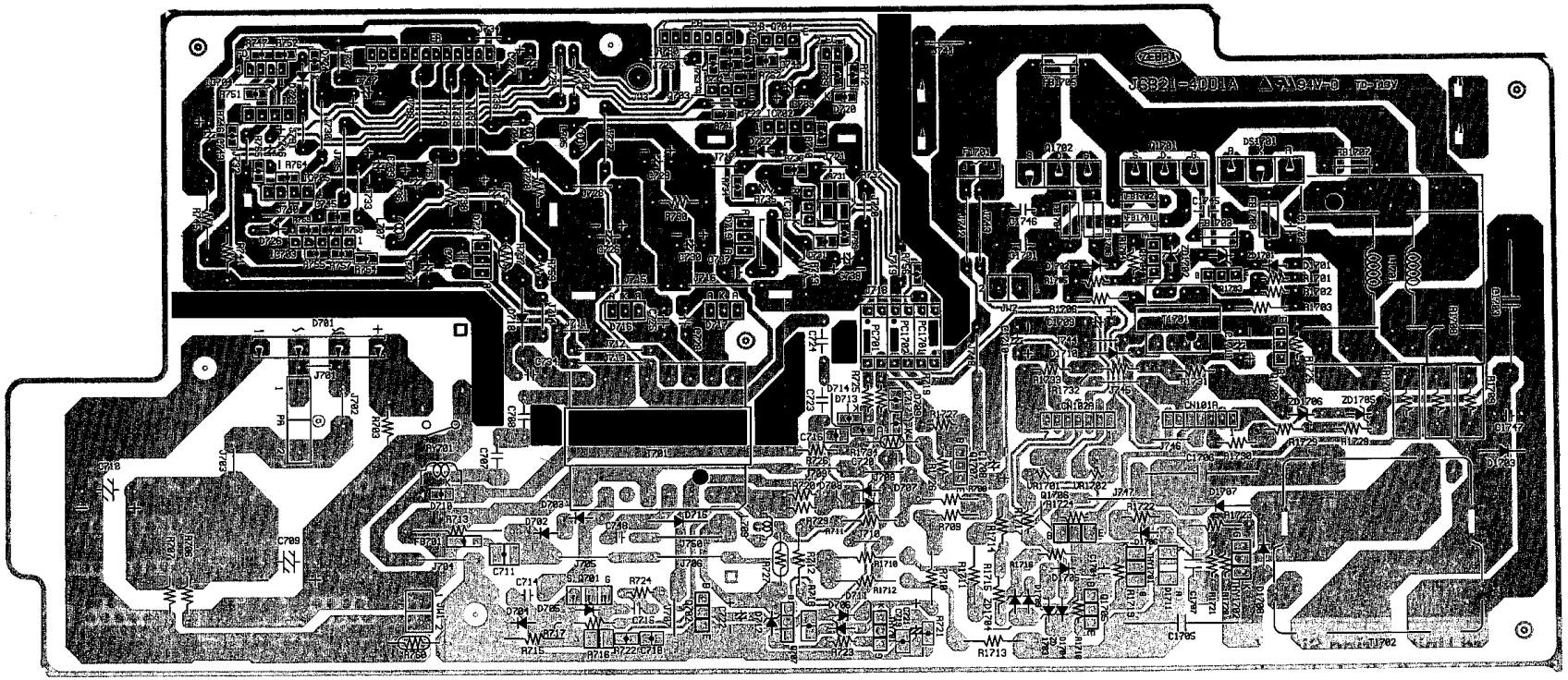
# PRINTED WIRING BOARD ASSEMBLIES / LEITERPLATTENEINHEITIN



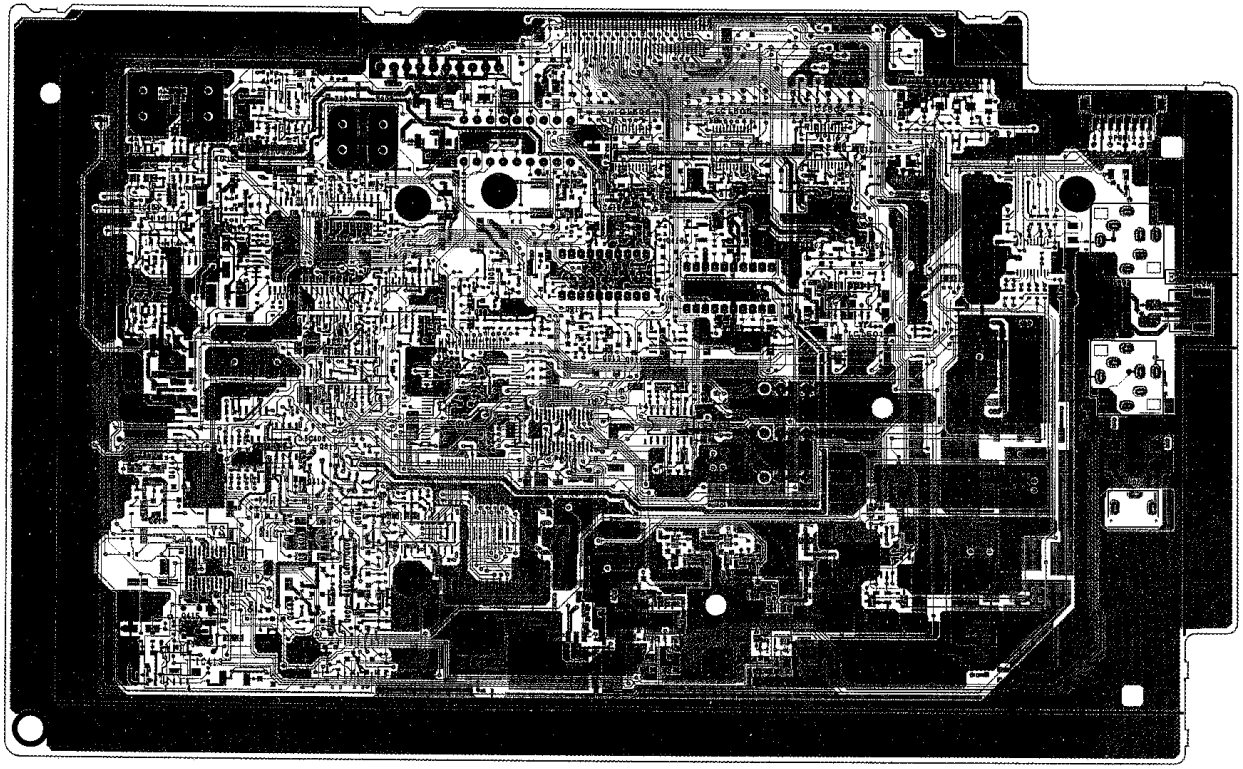

AC-SW Unit (Wiring Side) /
Netzschaltereinheit (Leiterbahnseite)



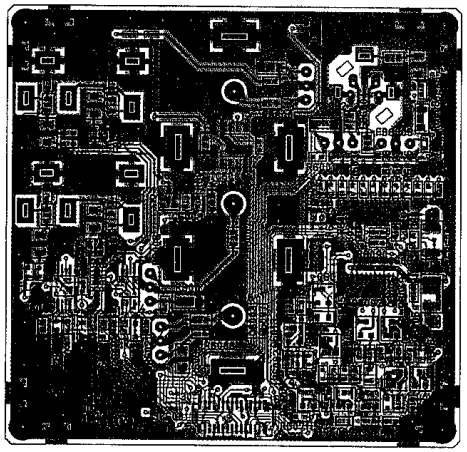
Power/Ballast Unit-2 (Wiring Side) /
Netz-/Ballasteinheit-2 (Leiterbahnseite)



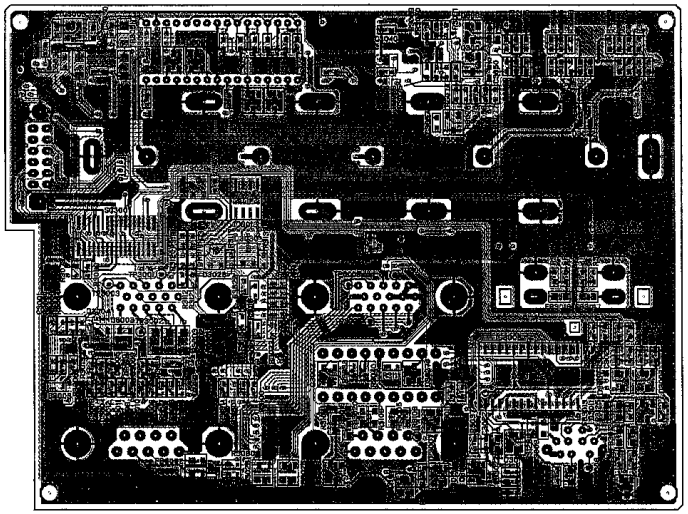

Power/Ballast Unit-1 (Wiring Side) /
Netz-/Ballasteinheit-1 (Leiterbahnseite)



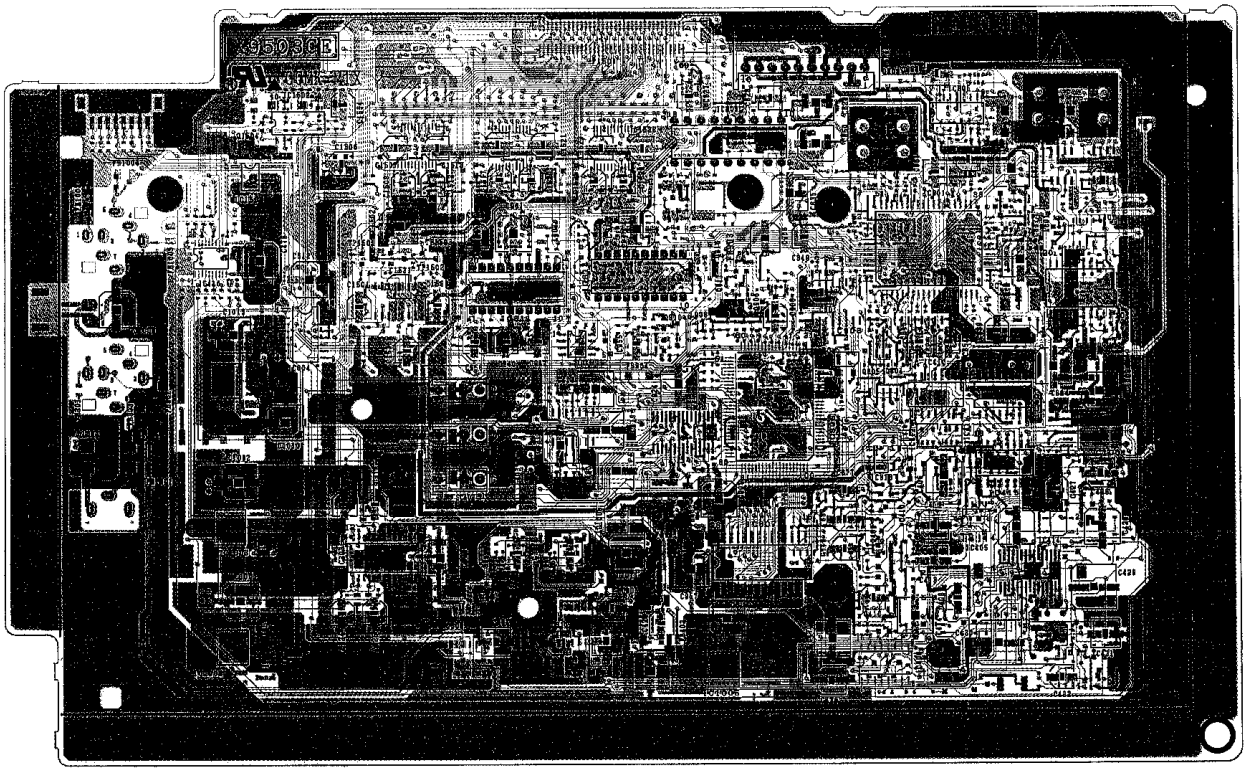
Signal Unit (Wiring Side) /
Signaleinheit (Leiterbahnseite)



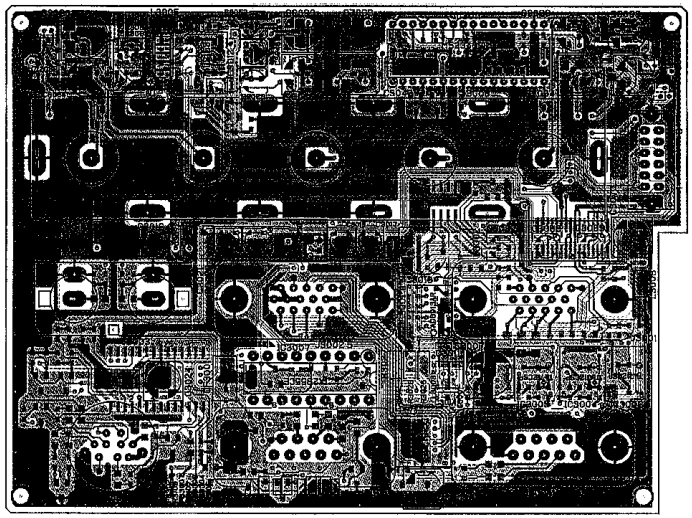
Video Board Unit (Wiring Side) /
Videokarteneinheit (Leiterbahnseite)
(For XG-XV1A as well as Australian and
NewZealand versions of XG-XV1E)



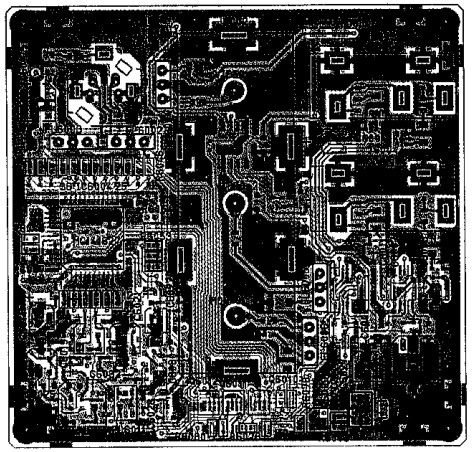
PC Terminal Unit (Wiring Side) /
PC-Anschlußeinheit (Leiterbahnseite)



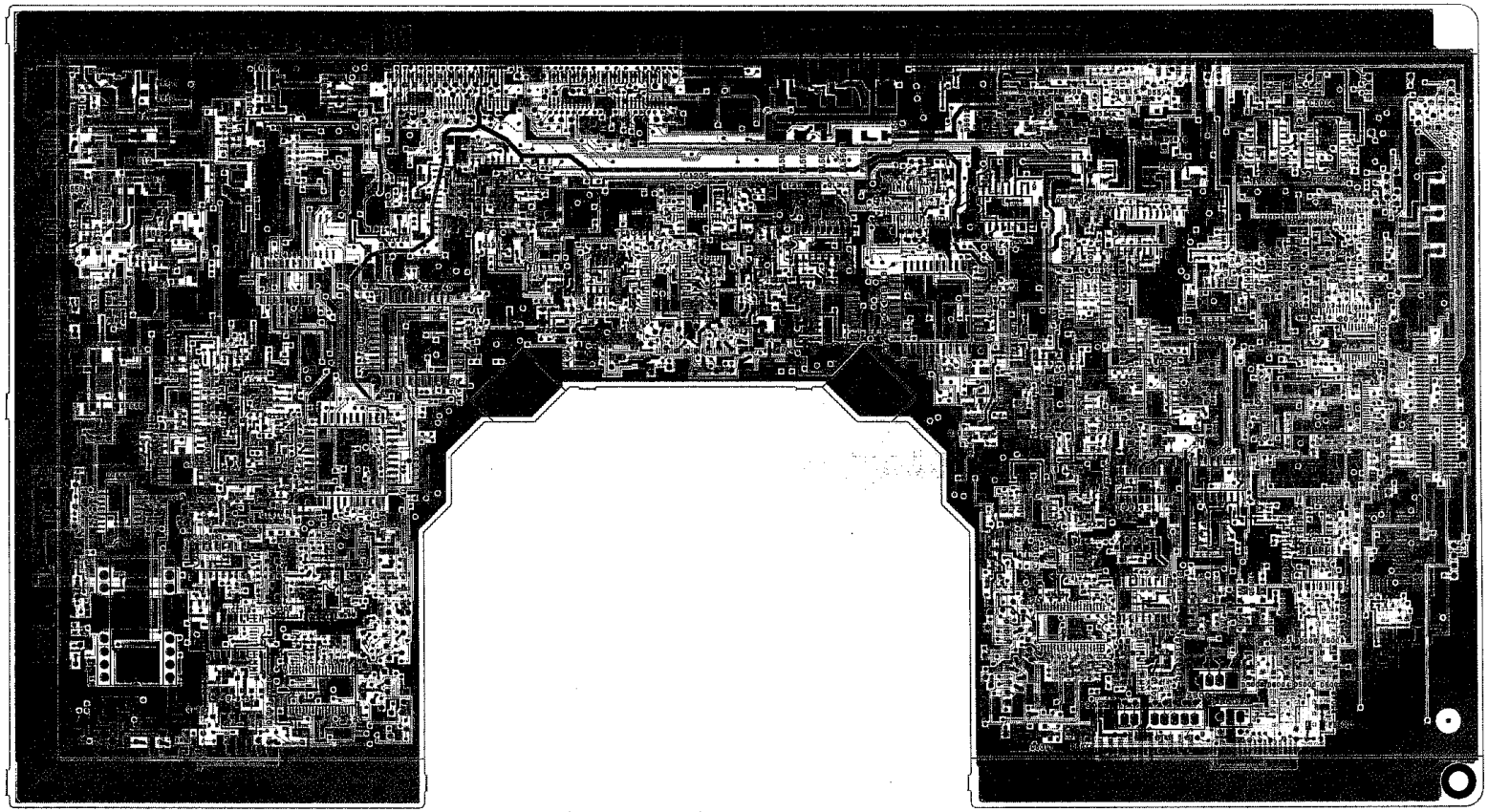
Signal Unit (Component Side) /
Signaleinheit (Bestückungsseite)



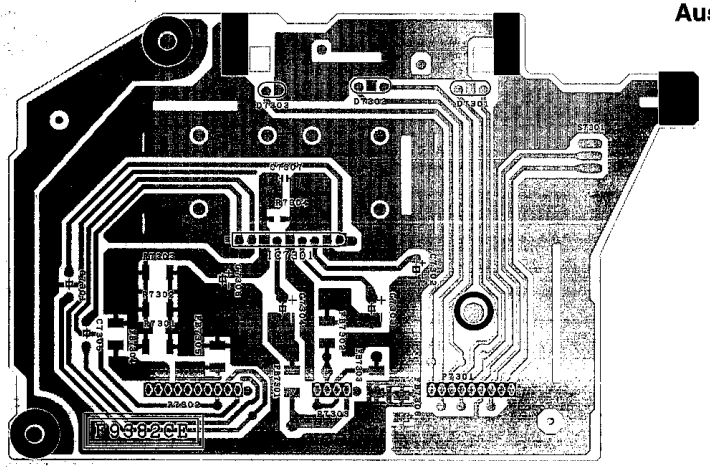
PC Terminal Unit (Component Side) /
PC-Anschlußeinheit (Bestückungsseite)



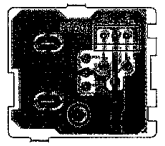
Video Board Unit (Component Side) /
Videokarteneinheit (Bestückungsseite)
(For XG-XV1A as well as Australian and
NewZealand versions of XG-XV1E)



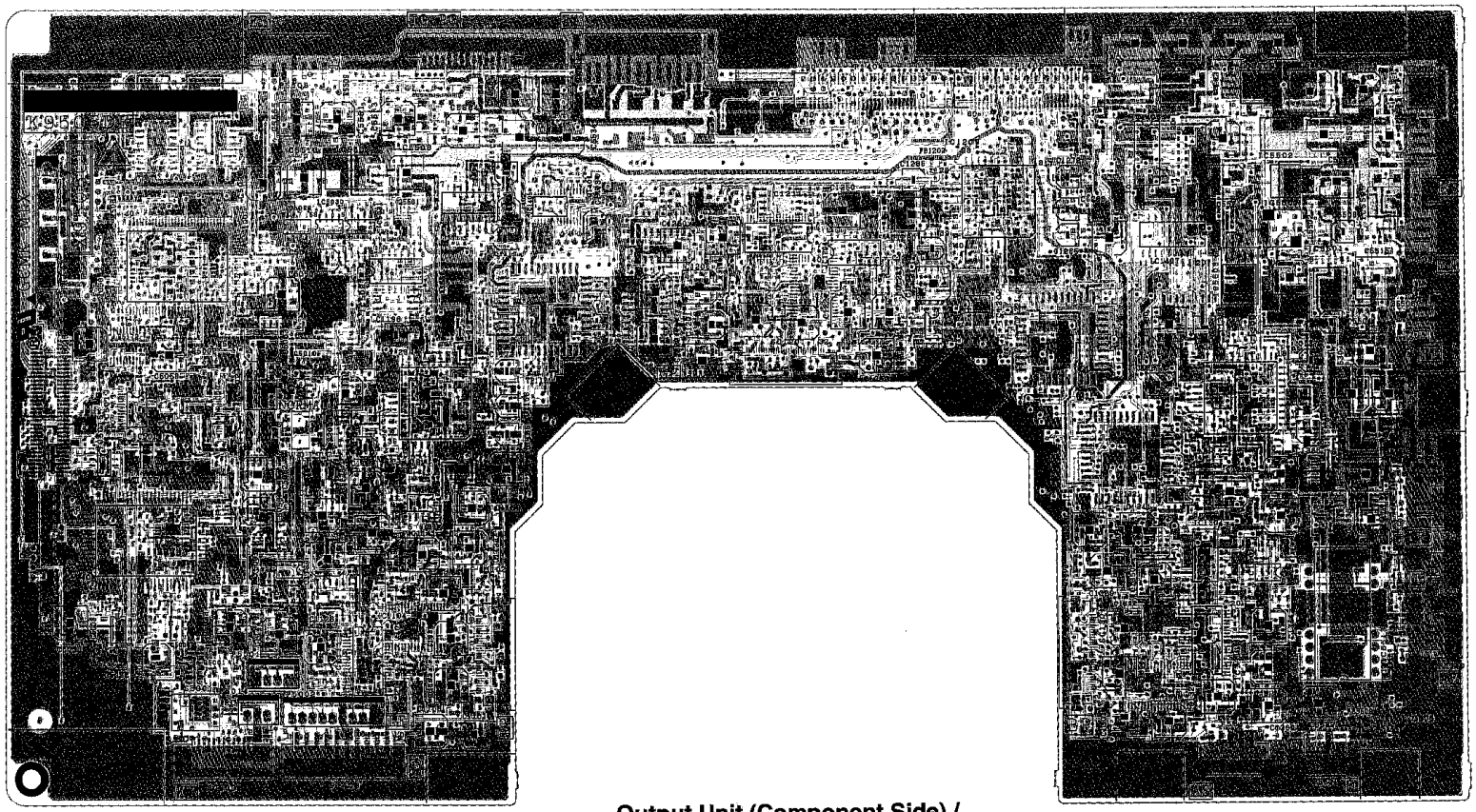
Output Unit (Wiring Side) /
Ausgabeeinheit (Leiterbahnseite)



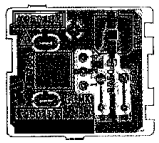
LED Unit (Wiring Side) /
LED-Einheit (Leiterbahnseite)



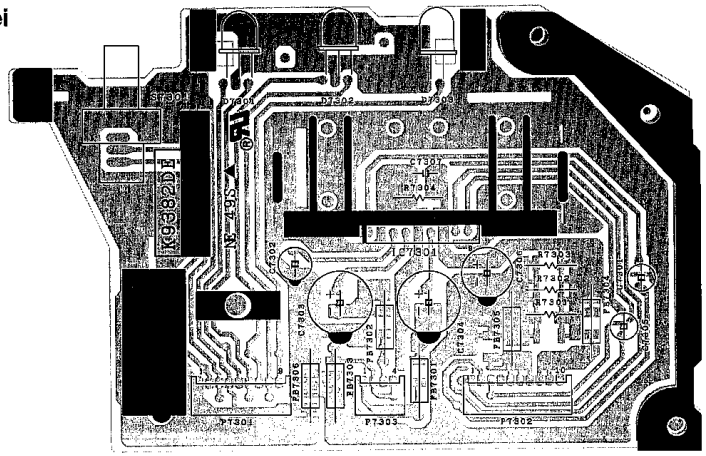
Infrared R/C Receiver Unit (Wiring Side) /
Infrarot-Empfängereinheit (Leiterbahnseite)



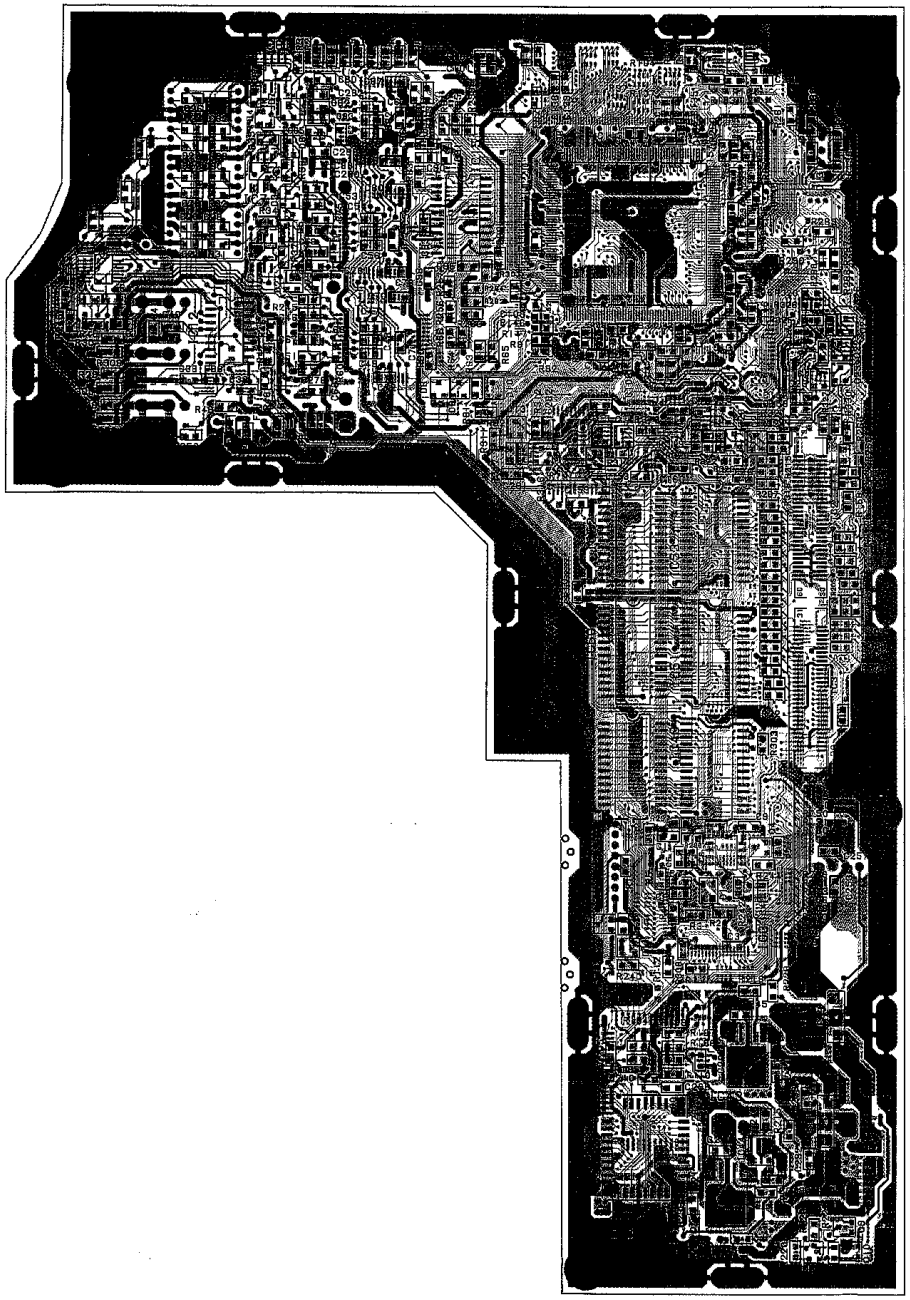
Output Unit (Component Side) /
Ausgabeeinheeit (Bestückungssei



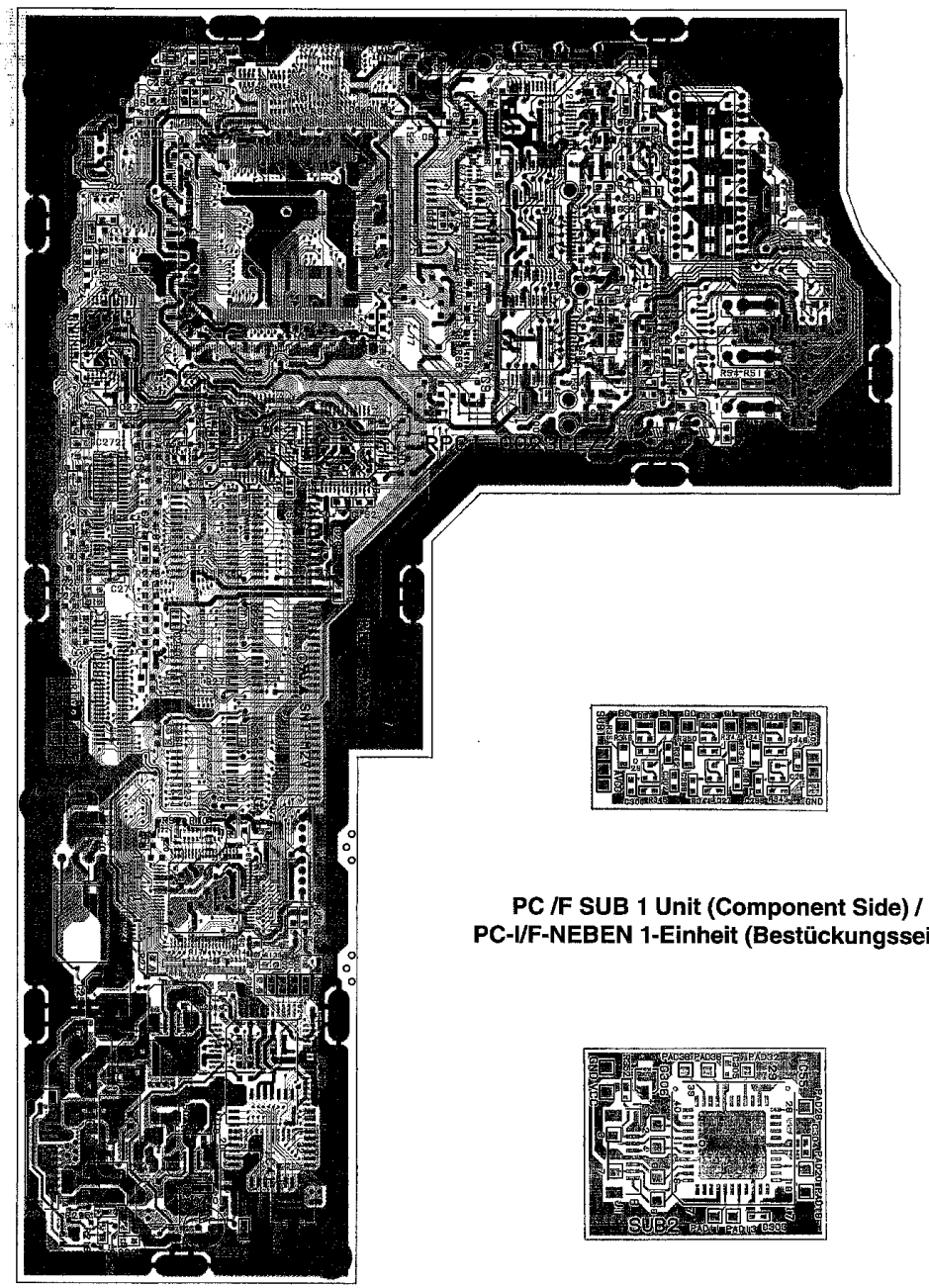
Infrared R/C Receiver Unit (Component Side) /
Infrarot-Empfängereinheit (Bestückungsseite)



LED Unit (Component Side) /
LED-Einheit (Bestückungsseite)



PC I/F Unit (Wiring Side) /
PC-I/F-Einheit (Leiterbahnseite)



PC I/F Unit (Component Side) /
PC-I/F-Einheit (Bestückungsseite)



PC /F SUB 1 Unit (Component Side) /
PC-I/F-NEBEN 1-Einheit (Bestückungsseite)



PC I/F SUB 2 Unit (Component Side) /
PC-I/F-NEBEN 2-Einheit (Bestückungsseite)

# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

## "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION

# ERSATZTEILLISTE

## AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheits-eigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

## "WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

MARKIERUNG ★: ERSATZTEILE-LIEFERUNG

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

## LCD PANELS

***NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.***

| | | | | |
|---|---|---|---|---|
| | RLCDP0046CEZZ | J | LCD Module Unit, Red | DU |
| | RLCDP0047CEZZ | J | LCD Module Unit, Green | DU |
| | RLCDP0048CEZZ | J | LCD Module Unit, Blue | DU |

## PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

| | | | | |
|---|---|---|---|---|
| | DUNTK9503DE02 | – | Signal Unit | — |
| | DUNTK9505DE02 | – | Output Unit | — |
| | DUNTK9504DE02 | – | Infrared R/C Receiver Unit | — |
| | DUNTK9382DE06 | – | LED Unit (XG-XV1E) | — |
| | DUNTK9382DE07 | – | LED Unit (XG-XV1A) | — |
| | RUNTK0571CEZZ | – | AC-SW Unit | — |
| | CTANZ0706CE01 | – | Video Board Unit (Only for Australia and NewZealand) | — |
| | CTANZ0705CE01 | – | PC Terminal Unit | — |
| | CDENC0252CE01 | – | Power/Ballast Unit | — |
| | CPCi-0023CE01 | – | PC I/F Unit | — |
| | CPCi-0027CE01 | – | PC I/F Sub 1 Unit | — |
| | CPCi-0028CE01 | – | PC I/F Sub 2 Unit | — |

## DUNTK9503DE02
## SIGNAL UNIT

### INTEGRATED CIRCUITS

| | | | | |
|---|---|---|---|---|
| IC301 | VHiNJM2245M-1 | J | NJM2245M | AF |
| IC302 | VHiNJM2245M-1 | J | NJM2245M | AF |
| IC303 | VHiTA8184F/-1 | J | TA8184F | AN |
| IC401 | VHiMC44144D-1 | J | I.C. | AP |
| IC402 | VHiMC44144D-1 | J | I.C. | AP |
| IC403 | VHiTC4W53F/-1 | J | TC4W53F | AE |
| IC405 | VHiNJ2233BM-1 | J | NJM2233BM | AE |
| IC406 | VHiBA7046F/-1 | J | BA7046F | AF |
| IC407 | VHiTHC221AF-1 | J | TC74HC221AF | AG |
| IC408 | VHiNJM2283F-1 | J | NJM2283M | AF |
| IC410 | VHiSNHC00NS-1 | J | SN74HC00NS | AC |
| IC411 | VHiTC7S08F/-1 | J | TC7S08F | AC |
| IC412 | VHiTC7S04F/-1 | J | TC7S04F | AC |
| IC413 | VHiNJM2245M-1 | J | NJM2245M | AF |
| IC414 | VHiMM1031XM-1 | J | MM1031XMR | AF |
| IC415 | VHi74HC153F-1 | J | TC74HC153AF | AF |
| IC416 | VHiM62352GP-1 | J | M62352GP | AQ |
| IC417 | VHiAD8013AR-1 | J | AD8013AR-14 | AV |
| IC601 | RH-iX2174CEZZ | J | MC74HC4538FR | AG |
| IC602 | RH-iX2174CEZZ | J | MC74HC4538FR | AG |
| IC603 | RH-iX2174CEZZ | J | MC74HC4538FR | AG |
| IC604 | VHi74HC153F-1 | J | TC74HC153AF | AF |
| IC801 | VHiTDA8375A-3 | J | TDA8375AH/N3 | BA |
| IC802 | VHiTDA8395T-3 | J | TDA8395T | AR |
| IC803 | VHiTDA4565/-1 | J | TDA4565/V6 | AN |
| IC804 | VHiTDA4665T-1 | J | TDA4665T/V4 | AN |
| IC805 | VHiNJM2060M-1 | J | NJM2060M | AE |
| IC806 | VHiTC90A11F-1 | J | TC90A11F | AZ |
| IC807 | VHiM518221S-1 | J | MSM518221-30JS | BA |
| IC808 | VHiPST600DM-1 | J | IC-PST600DMT | AE |
| IC811 | VHiTA1226N/-1 | J | TA1226N | AW |

# DUNTK9503DE02
## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| IC812 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC815 | VHiLMC7101B-1 | J | I.C. | AH |
| IC816 | VHiNJM2283F-1 | J | NJM2283M | AF |
| IC1001 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC1003 | VHiPQ05TZ11-1 | J | PQ05TZ11 | AH |
| IC1004 | RH-iX2204CEZZ | J | PQ12TZ11 | AG |
| IC1005 | VHiPQ05TZ11-1 | J | PQ05TZ11 | AH |
| IC1006 | VHiTC7S08F/-1 | J | TC7S08F | AC |
| IC1501 | VHiAD8013AR-1 | J | AD8013AR-14 | AV |
| IC1502 | VHiNJM2902M-1 | J | NJM2902M | AF |
| IC1503 | VHiNJM431E/-1 | J | NJM431E-TE1 | AF |
| IC1504 | VHiM40C568H-1 | J | MB40C568HPFV-G | AQ |
| IC1505 | VHiM40C568H-1 | J | MB40C568HPFV-G | AQ |
| IC1506 | VHiM40C568H-1 | J | MB40C568HPFV-G | AQ |

### TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q301 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q302 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q401 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q402 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q403 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q404 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q405 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q406 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q407 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q408 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q409 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q410 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q411 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q412 | VS2SB1132Q/-1 | J | 2SB1132Q | AC |
| Q413 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q414 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q415 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q416 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q428 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q429 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q430 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q431 | VSDTC124EK/-1 | J | DTC124EK | AB |
| Q801 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q802 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q803 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q804 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q805 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q806 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q808 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q809 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q810 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q811 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q812 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q813 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q814 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q815 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q816 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q817 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q818 | VS-DTC144EK/-1 | J | DTC144EK | AB |
| Q903 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q905 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q906 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q907 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q910 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q911 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q912 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q913 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q914 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q915 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1501 | VS2SC2735//-1 | J | 2SC2735 | AB |
| Q1502 | VS2SC2735//-1 | J | 2SC2735 | AB |
| Q1503 | VS2SC2735//-1 | J | 2SC2735 | AB |
| Q1504 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1505 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1506 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1507 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1508 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |

### DIODES

| | | | | |
|---|---|---|---|---|
| D301 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D302 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D303 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D304 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D305 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D306 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D401 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D402 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D404 | RH-EX0519CEZZ | J | Zener Diode 5.6V | AB |
| D405 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D406 | RH-EX0515CEZZ | J | Zener Diode 5.1V | AB |
| D407 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D408 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D410 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D411 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D412 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D413 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D414 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D415 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D801 | VHDMA152WA/-1 | J | Diode MA152WA | AA |
| D902 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1002 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1003 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1004 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1005 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1006 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D1007 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |

### PACKAGED CIRCUITS

| | | | | |
|---|---|---|---|---|
| X401 | RCRSB0089GEZZ | J | Crystal 17.73MHz | AG |
| X402 | RCRSB0216CEZZ | J | Crystal 14.32MHz | AH |
| X801 | RCRSB0009PEZZ | J | Crystal | AL |
| X802 | RCRSB0008PEZZ | J | Crystal | AH |

# DUNTK9503DE02
## SIGNAL UNIT (Continued)

### COILS

| Ref. No. | Part No. | ★ | Description | | Code |
|---|---|---|---|---|---|
| L401 | VP-1M220J2R9N | J | Peaking Coil | 22µH | AC |
| L403 | VP-1M100J1R6N | J | Peaking Coil | 10µH | AC |
| L405 | VP-1M100J1R6N | J | Peaking Coil | 10µH | AC |
| L801 | VP-1M8R2J1R5N | J | Peaking Coil | 8.2µH | AC |
| L802 | VP-1M330J4R2N | J | Peaking Coil | 33µH | AC |
| L804 | VP-1M390J4R9N | J | Peaking Coil | 39µH | |
| L905 | VP-1M270J3R8N | J | Peaking Coil | 27µH | AC |
| L906 | VP-1M330J4R2N | J | Peaking Coil | 33µH | AC |
| L907 | VP-1M330J4R2N | J | Peaking Coil | 33µH | AC |
| L908 | VP-1M220J2R9N | J | Peaking Coil | 22µH | AC |

### CAPACITORS

| Ref. No. | Part No. | ★ | | | | Code |
|---|---|---|---|---|---|---|
| C301 | VCE9PF1CW106M | J | 10 | 16V | Elect. (N.P) | AC |
| C303 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C304 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C305 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C306 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C307 | VCE9PF1CW475M | J | 4.7 | 16V | Elect. (N.P) | AC |
| C308 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C309 | VCE9PF1CW106M | J | 10 | 16V | Elect. (N.P) | AC |
| C310 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C311 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C312 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C313 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C314 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C315 | VCE9PF1CW475M | J | 4.7 | 16V | Elect. (N.P) | AC |
| C316 | VCFRED1HM822J | J | 8200p | 50V | Mylar | AD |
| C317 | VCFYEC1CM334J | J | 0.33 | 16V | Mylar | AE |
| C318 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C319 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C320 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C321 | VCKYCY1CF154Z | J | 0.15 | 16V | Ceramic | AB |
| C322 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C323 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C324 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C325 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C326 | VCFYEC1CM334J | J | 0.33 | 16V | Mylar | AE |
| C327 | VCFRED1HM822J | J | 8200p | 50V | Mylar | AD |
| C328 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C329 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C330 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C331 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C332 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C401 | VCCCCY1EH821J | J | 820p | 25V | Ceramic | AB |
| C402 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C403 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C404 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C405 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C406 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C407 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C408 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C409 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C410 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C411 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C412 | VCEAPF1CW226M | J | 22 | 16V | Electrolytic | AB |
| C413 | VCEAPF1CW226M | J | 22 | 16V | Electrolytic | AB |
| C414 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C415 | VCKYCY1HF223Z | J | 0.022 | 50V | Ceramic | AB |
| C416 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C418 | VCE9PF1CW226M | J | 22 | 16V | Elect. (N.P) | AD |
| C419 | VCE9PF1CW226M | J | 22 | 16V | Elect. (N.P) | AD |
| C420 | VCE9PF1CW226M | J | 22 | 16V | Elect. (N.P) | AD |
| C421 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C422 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C423 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C425 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C426 | VCEAPF1CW226M | J | 22 | 16V | Electrolytic | AB |
| C427 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C428 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C429 | VCEAPF1HW106M | J | 10 | 50V | Electrolytic | AB |
| C430 | RC-EZ0363CEZZ | J | 330 | 6.3V | Electrolytic | AC |
| C431 | VCE9PF1CW106M | J | 10 | 16V | Elect. (N.P) | AC |
| C432 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C433 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C434 | VCCCCY1HH680J | J | 68p | 50V | Ceramic | AA |
| C440 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C441 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C442 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C443 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C444 | VCCCCY1HH471J | J | 470p | 50V | Ceramic | AA |
| C445 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C446 | RTO-H0046TAZZ | J | Trimmer Capacitor | | | AD |
| C448 | VCCCCY1HH471J | J | 470p | 50V | Ceramic | AA |
| C449 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C450 | RTO-H0046TAZZ | J | Trimmer Capacitor | | | AD |
| C453 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C457 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C458 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C460 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C461 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C465 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C470 | VCE9PF1CW226M | J | 22 | 16V | Elect. (N.P) | AD |
| C471 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C472 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C474 | VCE9PF1CW226M | J | 22 | 16V | Elect. (N.P) | AD |
| C475 | VCEAPF1CW226M | J | 22 | 16V | Electrolytic | AB |
| C476 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C477 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C478 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C479 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C480 | VCCCCY1HH101J | J | 100p | 50V | Ceramic | AA |
| C481 | VCCCCY1HH101J | J | 100p | 50V | Ceramic | AA |
| C482 | VCCCCY1HH101J | J | 100p | 50V | Ceramic | AA |
| C483 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C486 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C601 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C602 | VCFRED1HM472J | J | 4700p | 50V | Mylar | AD |
| C603 | VCFRED1HM222J | J | 2200p | 50V | Mylar | AC |

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## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C604 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C605 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C606 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C607 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C608 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C609 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C610 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C611 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C612 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C613 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C621 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C623 | VCCCCY1EH102J | J | 1000p | 25V | Ceramic | AB |
| C801 | VCCCCY1HH470J | J | 47p | 50V | Ceramic | AA |
| C802 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C803 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C804 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C805 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C806 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C807 | VCKYTV1HF224Z | J | 0.22 | 50V | Ceramic | AC |
| C808 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C809 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C810 | VCCCCY1HH180J | J | 18p | 50V | Ceramic | AA |
| C811 | VCCCCY1HH180J | J | 18p | 50V | Ceramic | AA |
| C812 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C814 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C815 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C816 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C817 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C818 | VCFYEC1CM334J | J | 0.33 | 16V | Mylar | AE |
| C819 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C820 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C821 | VCFYEC1CM334J | J | 0.33 | 16V | Mylar | AE |
| C822 | VCCCCY1HH470J | J | 47p | 50V | Ceramic | AA |
| C823 | VCCCCY1HH470J | J | 47p | 50V | Ceramic | AA |
| C824 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C825 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C826 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C827 | VCE9PF1HW105M | J | 1 | 50V | Elect. (N.P) | AC |
| C828 | VCE9PF1HW105M | J | 1 | 50V | Elect. (N.P) | AC |
| C829 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C830 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C831 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C832 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C833 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C834 | VCFRED1HM472J | J | 4700p | 50V | Mylar | AD |
| C835 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C836 | VCKYTV1HF224Z | J | 0.22 | 50V | Ceramic | AC |
| C837 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C838 | VCKYTV1HF224Z | J | 0.22 | 50V | Ceramic | AC |
| C839 | VCEAPF1HW225M | J | 2.2 | 50V | Electrolytic | AB |
| C840 | VCFYEC1CM223J | J | 0.022 | 16V | Mylar | AC |
| C842 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C843 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C845 | VCEAPF1HW225M | J | 2.2 | 50V | Electrolytic | AB |
| C846 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C847 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C848 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C849 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C850 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C851 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C852 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C853 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C854 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C855 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C856 | VCFYEC1CM274J | J | 0.27 | 16V | Mylar | AE |
| C857 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C858 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C859 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C860 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C861 | VCE9PF1HW105M | J | 1 | 50V | Elect. (N.P) | AC |
| C862 | VCCCCY1HH820J | J | 82p | 50V | Ceramic | AA |
| C863 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C864 | VCE9PF1HW105M | J | 1 | 50V | Elect. (N.P) | AC |
| C865 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C866 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C867 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C868 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C869 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C870 | VCCCCY1HH101J | J | 100p | 50V | Ceramic | AA |
| C871 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C872 | VCEAPF1HW106M | J | 10 | 50V | Electrolytic | AB |
| C873 | VCFYEC1CM274J | J | 0.27 | 16V | Mylar | AE |
| C877 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C878 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C879 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C880 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C881 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C882 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C883 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C885 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C893 | VCEAPF1HW225M | J | 2.2 | 50V | Electrolytic | AB |
| C901 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C903 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C904 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C905 | VCCCCY1HH360J | J | 36p | 50V | Ceramic | AA |
| C906 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C907 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C908 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C909 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C910 | VCCCCY1HH181J | J | 180p | 50V | Ceramic | AA |
| C911 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C912 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C913 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C914 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C915 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C916 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C917 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C918 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C919 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |

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## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C920 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C921 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C923 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C924 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C925 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C926 | VCCCCY1HH220J | J | 22p | 50V | Ceramic | AA |
| C927 | VCCCCY1HH5R0C | J | 5p | 50V | Ceramic | AA |
| C930 | VCCCCY1HH330J | J | 33p | 50V | Ceramic | AA |
| C931 | VCCCCY1HH470J | J | 47p | 50V | Ceramic | AA |
| C932 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C933 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C934 | VCCCCY1HH390J | J | 39p | 50V | Ceramic | AA |
| C935 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C936 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C937 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C938 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C939 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C940 | VCEAPF1HW225M | J | 2.2 | 50V | Electrolytic | AB |
| C941 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C943 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C944 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C945 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C946 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C947 | VCEAPF1AW476M | J | 47 | 10V | Electrolytic | AB |
| C948 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C949 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C954 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C955 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C956 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C957 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C958 | VCEAPF0JW476M | J | 47 | 6.3V | Electrolytic | AB |
| C959 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C960 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C961 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C967 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1002 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |
| C1003 | VCCCCY1HH181J | J | 180p | 50V | Ceramic | AA |
| C1004 | VCCCCY1HH181J | J | 180p | 50V | Ceramic | AA |
| C1005 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1006 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C1007 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1009 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C1010 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C1011 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1012 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |
| C1013 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C1501 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1502 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C1503 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1504 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1505 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1506 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1507 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1508 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1509 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1510 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1511 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1512 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1513 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1514 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1515 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1516 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1517 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1518 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1519 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1520 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1521 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1522 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1523 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1524 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1525 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1526 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1527 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1528 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1529 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1530 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1531 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1532 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1533 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1534 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1535 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |

### RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| R301 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R302 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R303 | VRS-CY1JF683J | J | 68k | 1/16W | Metal Oxide | AA |
| R304 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R305 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R307 | VRS-CY1JF562J | J | 5.6k | 1/16W | Metal Oxide | AA |
| R308 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R309 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R310 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R311 | VRS-CY1JF683J | J | 68k | 1/16W | Metal Oxide | AA |
| R312 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R313 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R315 | VRS-CY1JF562J | J | 5.6k | 1/16W | Metal Oxide | AA |
| R316 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R317 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R318 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R319 | VRS-CY1JF473J | J | 47k | 1/16W | Metal Oxide | AA |
| R320 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R321 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R322 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R323 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R324 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R325 | VRS-TX2HF5R6J | J | 5.6 | 1/2W | Metal Oxide | AA |
| R326 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R401 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R402 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |

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## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| R403 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R404 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R405 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R408 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R410 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R411 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R412 | VRS-CY1JF104J | J | 100k 1/16W Metal Oxide | AA |
| R413 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R414 | VRS-CY1JF562J | J | 5.6k 1/16W Metal Oxide | AA |
| R415 | VRS-CY1JF272J | J | 2.7k 1/16W Metal Oxide | AA |
| R416 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R417 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R418 | VRS-CY1JF222J | J | 2.2k 1/16W Metal Oxide | AA |
| R419 | VRS-CY1JF562J | J | 5.6k 1/16W Metal Oxide | AA |
| R420 | VRS-CY1JF272J | J | 2.7k 1/16W Metal Oxide | AA |
| R421 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R422 | VRS-CY1JF121J | J | 120 1/16W Metal Oxide | AA |
| R423 | VRS-CY1JF104J | J | 100k 1/16W Metal Oxide | AA |
| R424 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R425 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R426 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R427 | VRS-CY1JF222J | J | 2.2k 1/16W Metal Oxide | AA |
| R428 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R429 | VRS-CY1JF222J | J | 2.2k 1/16W Metal Oxide | AA |
| R430 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R431 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R432 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R436 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R437 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R438 | VRS-CY1JF474J | J | 470k 1/16W Metal Oxide | AA |
| R439 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R440 | VRS-CY1JF221J | J | 220 1/16W Metal Oxide | AA |
| R444 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R447 | VRS-CY1JF750J | J | 75 1/16W Metal Oxide | AA |
| R448 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R449 | VRS-CY1JF333J | J | 33k 1/16W Metal Oxide | AA |
| R450 | VRS-CY1JF333J | J | 33k 1/16W Metal Oxide | AA |
| R451 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R452 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R453 | VRS-CY1JF750J | J | 75 1/16W Metal Oxide | AA |
| R454 | VRS-CY1JF750J | J | 75 1/16W Metal Oxide | AA |
| R456 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R457 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R458 | VRS-CY1JF333J | J | 33k 1/16W Metal Oxide | AA |
| R460 | VRS-CY1JF331J | J | 330 1/16W Metal Oxide | AA |
| R463 | VRS-CY1JF273J | J | 27k 1/16W Metal Oxide | AA |
| R464 | VRS-CY1JF123J | J | 12k 1/16W Metal Oxide | AA |
| R465 | VRS-CY1JF331J | J | 330 1/16W Metal Oxide | AA |
| R466 | VRS-CY1JF123J | J | 12k 1/16W Metal Oxide | AA |
| R467 | VRS-CY1JF273J | J | 27k 1/16W Metal Oxide | AA |
| R468 | VRS-CY1JF331J | J | 330 1/16W Metal Oxide | AA |
| R469 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R470 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R471 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R472 | VRS-TX2HF331J | J | 330 1/2W Metal Oxide | AB |
| R473 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R475 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R476 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R477 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R478 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R479 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R491 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R492 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R494 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R495 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R496 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R497 | VRS-CY1JF221J | J | 220 1/16W Metal Oxide | AA |
| R508 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R509 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R510 | VRS-CY1JF471J | J | 470 1/16W Metal Oxide | AA |
| R511 | VRS-CY1JF562J | J | 5.6k 1/16W Metal Oxide | AA |
| R512 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R513 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R514 | VRS-CY1JF471J | J | 470 1/16W Metal Oxide | AA |
| R551 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R553 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R554 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R556 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R557 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R559 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R560 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R561 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R562 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R563 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R564 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R565 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R566 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R567 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R568 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R569 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R570 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R571 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R575 | VRS-CY1JF683J | J | 68k 1/16W Metal Oxide | AA |
| R576 | VRS-CY1JF272J | J | 2.7k 1/16W Metal Oxide | AA |
| R580 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R584 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R601 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R602 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R603 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R604 | VRS-CY1JF153J | J | 15k 1/16W Metal Oxide | AA |
| R605 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R606 | VRS-CY1JF273J | J | 27k 1/16W Metal Oxide | AA |
| R607 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R608 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R609 | VRN-CY1JF392D | J | 3.9k 1/16W Metal Film | AA |
| R610 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R611 | VRN-CY1JF153D | J | 15k 1/16W Metal Film | AA |
| R612 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R613 | VRN-CY1JF752D | J | 7.5k 1/16W Metal Film | AA |

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## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| R614 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R615 | VRS-CY1JF182J | J | 1.8k 1/16W Metal Oxide | AA |
| R616 | VRN-CY1JF682D | J | 6.8k 1/16W Metal Film | AB |
| R617 | VRN-CY1JF103D | J | 10k 1/16W Metal Film | AA |
| R619 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R620 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R621 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R622 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R623 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R624 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R625 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R626 | VRN-CY1JF242D | J | 2.4k 1/16W Metal Film | AB |
| R632 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R801 | VRS-CY1JF331J | J | 330 1/16W Metal Oxide | AA |
| R802 | VRS-TX2HF100J | J | 10 1/2W Metal Oxide | AA |
| R803 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R804 | VRS-TX2HF100J | J | 10 1/2W Metal Oxide | AA |
| R805 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R806 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R807 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R808 | VRS-CY1JF561J | J | 560 1/16W Metal Oxide | AA |
| R809 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R810 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R811 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R812 | VRS-CY1JF183J | J | 18k 1/16W Metal Oxide | AA |
| R813 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R814 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R815 | VRS-TX2HF5R6J | J | 5.6 1/2W Metal Oxide | AA |
| R816 | VRS-CY1JF104J | J | 100k 1/16W Metal Oxide | AA |
| R817 | VRS-TX2HF4R7J | J | 4.7 1/2W Metal Oxide | AB |
| R818 | VRS-CY1JF334J | J | 330k 1/16W Metal Oxide | AA |
| R819 | VRS-CY1JF392J | J | 3.9k 1/16W Metal Oxide | AA |
| R820 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R821 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R822 | VRS-CY1JF391J | J | 390 1/16W Metal Oxide | AA |
| R823 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R824 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R825 | VRS-CY1JF391J | J | 390 1/16W Metal Oxide | AA |
| R826 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R827 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R828 | VRS-CY1JF391J | J | 390 1/16W Metal Oxide | AA |
| R829 | VRS-CY1JF152J | J | 1.5k 1/16W Metal Oxide | AA |
| R830 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R831 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R832 | VRS-TX2HF4R7J | J | 4.7 1/2W Metal Oxide | AB |
| R833 | VRS-CY1JF391J | J | 390 1/16W Metal Oxide | AA |
| R834 | VRS-CY1JF333J | J | 33k 1/16W Metal Oxide | AA |
| R835 | VRS-CY1JF393J | J | 39k 1/16W Metal Oxide | AA |
| R836 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R837 | VRS-CY1JF564J | J | 560k 1/16W Metal Oxide | AA |
| R838 | VRS-CY1JF333J | J | 33k 1/16W Metal Oxide | AA |
| R839 | VRS-CY1JF104J | J | 100k 1/16W Metal Oxide | AA |
| R840 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R841 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R842 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R843 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R844 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R845 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R846 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R847 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R848 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R849 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R850 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R851 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R852 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R853 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R854 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R855 | VRS-CY1JF221J | J | 220 1/16W Metal Oxide | AA |
| R856 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R857 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R858 | VRS-CY1JF222J | J | 2.2k 1/16W Metal Oxide | AA |
| R859 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R862 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R863 | VRS-CY1JF183J | J | 18k 1/16W Metal Oxide | AA |
| R865 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R866 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R867 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R868 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R869 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R870 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R871 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R872 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R873 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R874 | VRS-CY1JF683J | J | 68k 1/16W Metal Oxide | AA |
| R875 | VRS-CY1JF224J | J | 220k 1/16W Metal Oxide | AA |
| R876 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R877 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R878 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R879 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R880 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R881 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R882 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R883 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R884 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R885 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R886 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R887 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R888 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R889 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R890 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R891 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R892 | VRS-CY1JF273J | J | 27k 1/16W Metal Oxide | AA |
| R893 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R894 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R895 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R899 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R903 | VRS-CY1JF821J | J | 820 1/16W Metal Oxide | AA |
| R905 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R906 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |

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## SIGNAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| R907 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R908 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R909 | VRN-CY1JF102D | J | 1k | 1/16W | Metal Film | AB |
| R910 | VRS-CY1JF122J | J | 1.2k | 1/16W | Metal Oxide | AA |
| R911 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R912 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R913 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R914 | VRS-CY1JF821J | J | 820 | 1/16W | Metal Oxide | AA |
| R915 | VRN-CY1JF332D | J | 3.3k | 1/16W | Metal Film | AA |
| R916 | VRN-CY1JF332D | J | 3.3k | 1/16W | Metal Film | AA |
| R917 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R918 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R919 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R920 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R922 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R923 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R924 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R925 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R926 | VRS-CY1JF823J | J | 82k | 1/16W | Metal Oxide | AA |
| R927 | VRS-CY1JF473J | J | 47k | 1/16W | Metal Oxide | AA |
| R928 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R929 | VRS-CY1JF561J | J | 560 | 1/16W | Metal Oxide | AA |
| R930 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R931 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R932 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R933 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R934 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R935 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R936 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R937 | VRS-CY1JF123J | J | 12k | 1/16W | Metal Oxide | AA |
| R938 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R939 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R940 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R941 | VRS-CY1JF274J | J | 270k | 1/16W | Metal Oxide | AA |
| R942 | VRS-CY1JF274J | J | 270k | 1/16W | Metal Oxide | AA |
| R944 | VRS-CY1JF100J | J | 10 | 1/16W | Metal Oxide | AA |
| R945 | VRS-CY1JF472F | J | 4.7k | 1/16W | Metal Oxide | AA |
| R946 | VRS-CY1JF332J | J | 3.3k | 1/16W | Metal Oxide | AA |
| R947 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R948 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R949 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R950 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R951 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R952 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R953 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R954 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R955 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R956 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R957 | VRS-CY1JF154J | J | 150k | 1/16W | Metal Oxide | AA |
| R958 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R964 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R984 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R985 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R986 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R987 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1002 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1003 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1004 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1005 | VRS-TX2HF5R6J | J | 5.6 | 1/2W | Metal Oxide | AA |
| R1006 | VRS-TX2HF5R6J | J | 5.6 | 1/2W | Metal Oxide | AA |
| R1007 | VRS-CY1JF562J | J | 5.6k | 1/16W | Metal Oxide | AA |
| R1008 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1009 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1010 | VRS-TX2HF1R0J | J | 1 | 1/2W | Metal Oxide | AA |
| R1011 | VRS-TX2HF1R0J | J | 1 | 1/2W | Metal Oxide | AA |
| R1012 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1013 | VRS-CY1JF273J | J | 27k | 1/16W | Metal Oxide | AA |
| R1501 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1502 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1503 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |
| R1504 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R1505 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1506 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |
| R1507 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R1508 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1509 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |
| R1510 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R1511 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1512 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R1513 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1529 | VRS-CY1JF512F | J | 5.1k | 1/16W | Metal Oxide | AA |
| R1530 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R1531 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R1532 | VRS-CY1JF202F | J | 2k | 1/16W | Metal Oxide | AA |
| R1533 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1534 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1535 | VRS-CY1JF680J | J | 68 | 1/16W | Metal Oxide | AA |
| R1536 | VRS-CY1JF470J | J | 47 | 1/16W | Metal Oxide | AA |
| R1537 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1538 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1539 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1540 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1541 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1542 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1543 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1544 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1545 | VRS-CY1JF680J | J | 68 | 1/16W | Metal Oxide | AA |
| R1546 | VRS-CY1JF470J | J | 47 | 1/16W | Metal Oxide | AA |
| R1547 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1548 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1549 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1550 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1551 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1552 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1553 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1554 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1555 | VRS-CY1JF680J | J | 68 | 1/16W | Metal Oxide | AA |
| R1556 | VRS-CY1JF470J | J | 47 | 1/16W | Metal Oxide | AA |
| R1557 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

## DUNTK9503DE02
## SIGNAL UNIT (Continued)

| | | | | | | |
|---|---|---|---|---|---|---|
| R1558 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1559 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1560 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1561 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1562 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1563 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1564 | VRS-TV1JD000J | J | 0 | 1/16W | Metal Oxide | AA |
| R1565 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1566 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1567 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1568 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1802 | VRS-CY1JF333J | J | 33k | 1/16W | Metal Oxide | AA |
| R1803 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R1804 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1805 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R1806 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R1807 | VRS-CY1JF122J | J | 1.2k | 1/16W | Metal Oxide | AA |
| R1808 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R1809 | VRS-CY1JF821J | J | 820 | 1/16W | Metal Oxide | AA |
| R1810 | VRS-CY1JF122J | J | 1.2k | 1/16W | Metal Oxide | AA |
| R1811 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R1812 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R1813 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R1814 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R1818 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |

### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| FB301 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB302 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB303 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB401 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB402 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB403 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB404 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB405 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB901 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB902 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB903 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB904 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB1001 | RBLN-0060CEZZ | J | Ferrite Bead | AC |
| FB1002 | RBLN-0060CEZZ | J | Ferrite Bead | AC |
| FB1003 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB1004 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB1005 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB1501 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1502 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1503 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1504 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1505 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1507 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| J301 | QJAKJ0063CEZZ | J | Jack, Computer Audo In | AF |
| J1001 | QJAKE0174CEZZ | J | Jack | AK |
| J1002 | QJAKJ0063CEZZ | J | Jack, Wdred R/C Input | AF |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| P401 | QPLGZ3044CEZZ | J | Plug 30-Pin (TN) | AH |
| P402 | QPLGZ3044CEZZ | J | Plug 30-Pin (VS) | AH |
| P801 | QPLGN0864TAZZ | J | Plug 8-Pin | AD |
| P1001 | QPLGN0174FJZZ | J | Plug 2-Pin (EC) | AC |
| P1501 | QPLGZ7053CEZZ | J | Plug 70-Pin | AR |
| P1503 | QPLGN1062CEZZ | J | Plug 10-Pin | AC |
| SC401 | QSOCN0314FJZZ | J | Socket 3-Pin (R) | AD |
| SC402 | QSOCN0314FJZZ | J | Socket 3-Pin (G) | AD |
| SC403 | QSOCN0314FJZZ | J | Socket 3-Pin (B) | AD |
| TP401 | QLUGP0110TAFW | J | Lug | AA |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

# DUNTK9505DE02
## OUTPUT UNIT

### INTEGRATED CIRCUITS

| | | | | |
|---|---|---|---|---|
| IC1101 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1102 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1103 | VHiNJM2904M-1 | J | NJM2904M | AE |
| IC1104 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1105 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1106 | RH-iX3102CEZZ | J | I.C. | AZ |
| IC1109 | VHiLM1204V/-1 | J | LM1204V | AY |
| IC1110 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1111 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1112 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1113 | VHiLM6182iM-1 | J | LM6182IM | AT |
| IC1114 | VHiNJM431E/-1 | J | NJM431E-TE1 | AF |
| IC1115 | VHiNJU4053V-1 | J | NJU4053 | AF |
| IC1201 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1202 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1203 | VHiNJM2904M-1 | J | NJM2904M | AE |
| IC1204 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1205 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1206 | RH-iX3102CEZZ | J | I.C. | AZ |
| IC1209 | VHiLM1204V/-1 | J | LM1204V | AY |
| IC1210 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1211 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1212 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1213 | VHiLM6182iM-1 | J | LM6182IM | AT |
| IC1214 | VHiNJM431E/-1 | J | NJM431E-TE1 | AF |
| IC1215 | VHiNJU4053V-1 | J | NJU4053 | AF |
| IC1301 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1302 | VHiLT1253CS-1 | J | LT1253CS8 | AT |
| IC1303 | VHiNJM2904M-1 | J | NJM2904M | AE |
| IC1304 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1305 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1306 | RH-iX3102CEZZ | J | I.C. | AZ |
| IC1309 | VHiLM1204V/-1 | J | LM1204V | AY |
| IC1310 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1311 | VHiCXA2504N-1 | J | CXA2504N | AZ |
| IC1312 | VHiTC4053BF-1 | J | TC4053BF | AG |
| IC1313 | VHiLM6182iM-1 | J | Lm6182Im | AT |
| IC1314 | VHiNJM431E/-1 | J | NJM431E-TE1 | AF |
| IC1315 | VHiNJU4053V-1 | J | NJU4053 | AF |
| IC1401 | VHiNJM2060M-1 | J | NJM2060M | AE |
| IC1402 | VHiTHC221AF-1 | J | TC74HC221AF | AG |
| IC1403 | VHiLM4040C/-1 | J | LM4040CIM3X4.1 | AM |
| IC1404 | VHiM62352GP-1 | J | M62352GP | AQ |
| IC1405 | VHiM62352GP-1 | J | M62352GP | AQ |
| IC1406 | VHiHCT541AF-1 | J | TC74HCT541AF | AG |
| IC1407 | VHiHCT541AF-1 | J | TC74HCT541AF | AG |
| IC1408 | VHiHCT541AF-1 | J | TC74HCT541AF | AG |
| IC5001 | RH-iX2961CEZZ | J | HD641180XF6 | BB |
| IC5002 | RH-iX2967CEZZ | J | TE7752 | AW |
| IC5004 | VHiM51957BF-1 | J | M51957BFP-600C | AE |
| IC5005 | RH-iX1433CEZZ | J | TC74HC32AF | AD |
| IC5006 | VHiSNHC00NS-1 | J | SN74HC00NS | AC |
| IC5008 | RH-iX2963CEZZ | J | X24645S8T2 | AX |
| IC5011 | VHiTC35093/-1 | J | TC35093FS | AQ |
| IC5012 | VHiNJM2902M-1 | J | NJM2902M | AF |
| IC5013 | VHiNJM2902M-1 | J | NJM2902M | AF |
| IC5014 | VHiTC7W32F/-1 | J | TC7W32F | AE |
| IC5015 | VHiTC7W14F/-1 | J | TC7W14F | AD |
| IC5016 | VHiTC7W74F/-1 | J | TC7W74F | AE |
| IC5017 | VHiMB3773//-1 | J | MB3773PF-G-BND | AK |
| IC5018 | VHiTC7W74F/-1 | J | TC7W74F | AE |
| IC5019 | VHiTCLCX245-1 | J | I.C. | AH |
| IC5020 | RH-iX3090CEZZ | J | I.C. | BC |
| IC5021 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC5025 | VHiTC7W04F/-1 | J | TC7W04F | AD |
| IC5026 | RH-iX2174CEZZ | J | MC74HC4538FR | AG |
| IC5027 | RH-iX1969CEZZ | J | SN74HC08NS | AC |
| IC5028 | RH-iX1970CEZZ | J | SN74HC32NS | AC |
| IC5029 | VHiTC7W04F/-1 | J | TC7W04F | AD |
| IC5030 | VHiTC7W08F/-1 | J | TC7W08F | AD |
| IC5031 | VHiTC7W32F/-1 | J | TC7W32F | AE |
| IC5502 | VHiPQ05TZ11-1 | J | PQ05TZ11 | AH |
| IC5503 | VHiPQ05SZ51-1 | J | PQ05SZ51 | AG |
| IC5504 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC5505 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC5506 | VHiTC4S66F/-1 | J | TC4S66F | AD |
| IC5507 | RH-iX2204CEZZ | J | PQ12TZ11 | AG |
| IC5508 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC5509 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |
| IC5510 | VHiPQ05TZ11-1 | J | PQ05TZ11 | AH |
| IC5512 | VHiLB1831M/-1 | J | LB1831M | AN |
| IC5513 | VHiTA7279P/-1 | J | TA7279P | AP |
| IC5514 | VHiPQ20VZ11-1 | J | PQ20VZ11 | AH |

### TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q1101 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1102 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1103 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1105 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1106 | VS2SC2411KR-1 | J | 2SC2411KR | AC |
| Q1109 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1110 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1111 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1112 | VS2SC2411KR-1 | J | 2SC2411KR | AC |
| Q1113 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1114 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1115 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1116 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1117 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1118 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1119 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1120 | VSDTC144EU/-1 | J | DTC144EU | AB |
| Q1201 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1202 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1203 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1205 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1206 | VS2SC2411KR-1 | J | 2SC2411KR | AC |

# DUNTK9505DE02
## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| Q1209 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1210 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1211 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1212 | VS2SC2411KR-1 | J | 2SC2411KR | AC |
| Q1213 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1214 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1215 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1216 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1217 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1218 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1219 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1220 | VSDTC144EU/-1 | J | DTC144EU | AB |
| Q1301 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1302 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1303 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1305 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1306 | VS2SC2411KR-1 | J | 2SC2411KR | AC |
| Q1309 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1310 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1311 | VS2SA1036KR-1 | J | 2SA1036KR | AC |
| Q1312 | VS2SC2411KR-1 | J | 2SC2411KR | AC |
| Q1313 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1314 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1315 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1316 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1317 | VS2SA1462//-1 | J | 2SA1462 | AC |
| Q1318 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q1319 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q1320 | VSDTC144EU/-1 | J | DTC144EU | AB |
| Q1401 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5001 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5002 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5003 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5004 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5005 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5006 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5007 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5008 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5010 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5011 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5012 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5013 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5501 | VS2SD1664R/-1 | J | 2SD1664R | AC |
| Q5502 | VS2SD1664R/-1 | J | 2SD1664R | AC |
| Q5505 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5506 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5512 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5513 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5514 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5515 | VS2SA1037KQ-1 | J | 2SA1037KQ | AA |
| Q5516 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5518 | VS2SC2412KQ-1 | J | 2SC2412KQ | AA |
| Q5526 | VSDTC114EU/-1 | J | DTC114EU | AB |

## DIODES

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D1101 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1102 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1103 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1104 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1105 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1107 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1108 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1201 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1202 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1203 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1204 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1205 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1207 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1208 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1301 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1302 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1303 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1304 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1306 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1307 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D1308 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5001 | VHDMA152WA/-1 | J | Diode MA152WA | AA |
| D5002 | VHDMA152WA/-1 | J | Diode MA152WA | AA |
| D5003 | VHDMA152WA/-1 | J | Diode MA152WA | AA |
| D5004 | VHDMA152WA/-1 | J | Diode MA152WA | AA |
| D5005 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5006 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5007 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5008 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5009 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5010 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5011 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5012 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5013 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5014 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5015 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5016 | VHDMA153///-1 | J | Diode MA153 | AB |
| D5017 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D5018 | RH-EX0226CEZZ | J | Zener Diode 12V | AB |
| D5019 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5020 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5021 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5022 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5502 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5503 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5504 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5505 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5506 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5507 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5509 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5510 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5512 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5513 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5514 | RH-EX0516CEZZ | J | Zener Diode 5.1V | AB |
| D5515 | VHDDAN202K/-1 | J | Diode DAN202K | AB |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D5517 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5518 | VHDDAN202K/-1 | J | Diode DAN202K | AB |
| D5519 | VHDDAN202K/-1 | J | Diode DAN202K | AB |

### PACKAGED CIRCUIT

| | | | | |
|---|---|---|---|---|
| X5001 | RCRSZ0054CEZZ | J | Crystal | AH |

### COILS AND FILTERS

| | | | | |
|---|---|---|---|---|
| FL5501 | RFiLN0097GEZZ | J | Filter | AF |
| FL5502 | RFiLN0097GEZZ | J | Filter | AF |
| FL5503 | RFiLN0097GEZZ | J | Filter | AF |
| FL5504 | RFiLN0097GEZZ | J | Filter | AF |
| FL5505 | RFiLN0097GEZZ | J | Filter | AF |
| FL5506 | RFiLN0097GEZZ | J | Filter | AF |
| FL5507 | RFiLN0097GEZZ | J | Filter | AF |
| L1101 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L1102 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L1201 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L1202 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L1301 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L1302 | VP-1M100J1R6N | J | Peaking Coil 10µH | AC |
| L5502 | RCiLP0168TAZZ | J | Coil 22µH | AF |

### CAPACITORS

| | | | | | | |
|---|---|---|---|---|---|---|
| C1101 | VCEAPF0JW476M | J | 47 | 6.3V | Electrolytic | AB |
| C1102 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1103 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1104 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1105 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1106 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1107 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1108 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1109 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1110 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1111 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1112 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1113 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1114 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1115 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1116 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1117 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1118 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1119 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1120 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1121 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1122 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1123 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1124 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1125 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1126 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1127 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1128 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1129 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1130 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1131 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1132 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1133 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1134 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1135 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1136 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1138 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1139 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1141 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1142 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1143 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1144 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1145 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1146 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1150 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1155 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1158 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1159 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1160 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1161 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1162 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1163 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1164 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1165 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1166 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1167 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1168 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1169 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1170 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1171 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1172 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1173 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1174 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1175 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1176 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1177 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1178 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1179 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1180 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1181 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1182 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1183 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1184 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1185 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1186 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1187 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1188 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1189 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1190 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1191 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1192 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1193 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1194 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1195 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1196 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| C1197 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1198 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1201 | VCEAPF0JW476M | J | 47 | 6.3V | Electrolytic | AB |
| C1202 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1203 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1204 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1205 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1206 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1207 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1208 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1209 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1210 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1211 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1212 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1213 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1214 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1215 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1216 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1217 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1218 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1219 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1220 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1221 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1222 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1223 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1224 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1225 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1226 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1227 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1228 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1229 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1230 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1231 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1232 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1233 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1234 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1235 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1236 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1238 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1239 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1241 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1242 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1243 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1244 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1245 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1248 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1250 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1255 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1258 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1259 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1260 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1261 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1262 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1263 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1264 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1265 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1266 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1267 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1268 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1269 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1270 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1271 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1272 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1273 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1274 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1275 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1276 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1277 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1278 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1279 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1280 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1281 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1282 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1283 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1284 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1285 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1286 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1287 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1288 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1289 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1290 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1291 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1292 | VCEAGA1CW476M | J | 47 | 16V | Electrolytic | AB |
| C1293 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1294 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1295 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1296 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1297 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1298 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1301 | VCEAPF0JW476M | J | 47 | 6.3V | Electrolytic | AB |
| C1302 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1303 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1304 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1305 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1306 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1307 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1308 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1309 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1310 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1311 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C1312 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1313 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1314 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1315 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1316 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1317 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1318 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1319 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1320 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| C1321 | VCKYCY1AF105Z | J | 1 | 10V | Ceramic | AC |
| C1322 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1323 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1324 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1325 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1326 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1327 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1328 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1329 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1330 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1331 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1332 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1333 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1334 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1335 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1336 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1338 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1339 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1341 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1342 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1343 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1344 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1345 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1346 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1350 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1355 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1358 | VCKYTV1CF105Z | J | 1 | 16V | Ceramic | AB |
| C1359 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1360 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1361 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1362 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1363 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1364 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1365 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1366 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1367 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1368 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1369 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1370 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1371 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1372 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1373 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1374 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1375 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1376 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1377 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1378 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1379 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1380 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1381 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1382 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1383 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1384 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1385 | VCKYCY1EB223K | J | 0.022 | 25V | Ceramic | AA |
| C1386 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1387 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1388 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1389 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1390 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1391 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C1392 | VCEAGA1CW476M | J | 47 | 16V | Electrolytic | AB |
| C1393 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C1394 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1395 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1396 | VCCCCY1HH120J | J | 12p | 50V | Ceramic | AA |
| C1397 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1398 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1401 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1402 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1403 | VCCCCY1HH101J | J | 100p | 50V | Ceramic | AA |
| C1404 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1405 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1406 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1407 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1408 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1409 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1410 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1411 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1412 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C1413 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C1414 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1415 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C1416 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C1417 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C2101 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C2102 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C2103 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C2104 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2105 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2106 | VCEAGA1CW107M | J | 100 | 16V | Electrolytic | AB |
| C2107 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C2108 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C2204 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2205 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2206 | VCEAGA1CW107M | J | 100 | 16V | Electrolytic | AB |
| C2207 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C2208 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C2304 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2305 | VCCCCY1HH560J | J | 56p | 50V | Ceramic | AA |
| C2306 | VCEAGA1CW107M | J | 100 | 16V | Electrolytic | AB |
| C2307 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C2308 | VCCCPA1HH150J | J | 15p | 50V | Ceramic | AA |
| C5001 | VCKYCY1EF104Z | J | 0.1 | 25V | Ceramic | AA |
| C5002 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5003 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5004 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5005 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C5006 | VCCCCY1HH100D | J | 10p | 50V | Ceramic | AA |
| C5007 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C5008 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5010 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5011 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5012 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5013 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5014 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5018 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5019 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5022 | VCEAPF1CW106M | J | 10 | 16V | Electrolytic | AB |
| C5025 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5026 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5028 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5032 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5033 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C5034 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5035 | VCKYCY1HB682K | J | 6800p | 50V | Ceramic | AA |
| C5036 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5037 | VCKYCY1HB682K | J | 6800p | 50V | Ceramic | AA |
| C5038 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5039 | VCKYCY1CF154Z | J | 0.15 | 16V | Ceramic | AB |
| C5040 | VCKYCY1CF154Z | J | 0.15 | 16V | Ceramic | AB |
| C5041 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5042 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5043 | VCEAPF1HW105M | J | 1 | 50V | Electrolytic | AB |
| C5044 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5050 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C5051 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5052 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C5053 | VCSAPD1CJ105M | J | 1 | 16V | Tantalum | AC |
| C5054 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C5056 | VCEAPF0JW476M | J | 47 | 6.3V | Electrolytic | AB |
| C5057 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5058 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5059 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5060 | VCEAPF1CW226M | J | 22 | 16V | Electrolytic | AB |
| C5061 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C5062 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |
| C5063 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |
| C5163 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C5164 | VCCCCY1HH221J | J | 220p | 50V | Ceramic | AA |
| C5165 | VCKYCY1HB102K | J | 1000p | 50V | Ceramic | AA |
| C5505 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5506 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C5507 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C5508 | VCEAPF1CW476M | J | 47 | 16V | Electrolytic | AC |
| C5509 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5510 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5511 | VCEAPX1EW107M | J | 100 | 25V | Electrolytic | |
| C5512 | VCEAPK1CN107M | J | 100 | 16V | Electrolytic | AD |
| C5513 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |
| C5514 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5515 | VCEAPK1CN107M | J | 100 | 16V | Electrolytic | AD |
| C5516 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5517 | VCEAPX1CW227M | J | 220 | 16V | Electrolytic | AD |
| C5521 | VCEAEA1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5522 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5524 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5525 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5526 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5528 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5529 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5530 | VCEAPX1CW227M | J | 220 | 16V | Electrolytic | AD |
| C5531 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5533 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5534 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5535 | VCEAPX1CW227M | J | 220 | 16V | Electrolytic | AD |
| C5536 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5537 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5538 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5539 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5540 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5541 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5542 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5543 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5544 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5545 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5546 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5547 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5548 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5549 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5550 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5551 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5552 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5553 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5554 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5555 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5556 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5557 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5558 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5559 | VCEAPX1CW227M | J | 220 | 16V | Electrolytic | AD |
| C5562 | VCKYCY1HB103K | J | 0.01 | 50V | Ceramic | AA |
| C5563 | VCEAPX1CW227M | J | 220 | 16V | Electrolytic | AD |
| C5564 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |
| C5566 | VCKYCY1CF104Z | J | 0.1 | 16V | Ceramic | AA |
| C5567 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5568 | VCEAPF1EW226M | J | 22 | 25V | Electrolytic | AB |
| C5569 | VCEAPF1CW107M | J | 100 | 16V | Electrolytic | AD |

## RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| R1101 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1102 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1103 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1104 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1105 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1106 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1107 | VRS-CY1JF473J | J | 47k | 1/16W | Metal Oxide | AA |
| R1108 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1109 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |
| R1110 | VRS-CY1JF394J | J | 390k | 1/16W | Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| R1111 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1112 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1113 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1114 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R1115 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1116 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1117 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1118 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1119 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1120 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1121 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1122 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1123 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1124 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1125 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1126 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1127 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1128 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1129 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1130 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1131 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1133 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1134 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1135 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1136 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1137 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1138 | VRS-CY1JF102F | J | 1k 1/16W Metal Oxide | AA |
| R1139 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1140 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1141 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1142 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1143 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1144 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1145 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1146 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1172 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1173 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1174 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1175 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1176 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1177 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1179 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1183 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1184 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1185 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R1186 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R1188 | VRS-CY1JF561J | J | 560 1/16W Metal Oxide | AA |
| R1199 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R1201 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1202 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1203 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1204 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1205 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1206 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1207 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R1208 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1209 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1210 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1211 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1212 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1213 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1214 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R1215 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1216 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1217 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1218 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1219 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1220 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1221 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1222 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1223 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1224 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1225 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1226 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1227 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1228 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1229 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1230 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1231 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1233 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1234 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1235 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1236 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1237 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1238 | VRS-CY1JF102F | J | 1k 1/16W Metal Oxide | AA |
| R1239 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1240 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1241 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1242 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1243 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1244 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1245 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1246 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1272 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1273 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1274 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1275 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1276 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1277 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1279 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1283 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1284 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1285 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R1286 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R1288 | VRS-CY1JF561J | J | 560 1/16W Metal Oxide | AA |
| R1299 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R1301 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1302 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1303 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| R1304 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1305 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1306 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1307 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R1308 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1309 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1310 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1311 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1312 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1313 | VRS-CY1JF394J | J | 390k 1/16W Metal Oxide | AA |
| R1314 | VRS-CY1JF473J | J | 47k 1/16W Metal Oxide | AA |
| R1315 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1316 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1317 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1318 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1319 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1320 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1321 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1322 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1323 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1324 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1325 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1326 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1327 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1328 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1329 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1330 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1331 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1333 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1334 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1335 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1336 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1337 | VRN-CY1JF332D | J | 3.3k 1/16W Metal Film | AA |
| R1338 | VRS-CY1JF102F | J | 1k 1/16W Metal Oxide | AA |
| R1339 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1340 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1341 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1342 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1343 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1344 | VRN-TV1JD102B | J | 1k 1/16W Metal Film | AD |
| R1345 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1346 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1372 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1373 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1374 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1375 | VRS-CY1JF332J | J | 3.3k 1/16W Metal Oxide | AA |
| R1376 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1377 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1379 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1383 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1384 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R1385 | VRS-CY1JF122J | J | 1.2k 1/16W Metal Oxide | AA |
| R1386 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R1388 | VRS-CY1JF561J | J | 560 1/16W Metal Oxide | AA |
| R1399 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R1401 | VRS-CY1JF391F | J | 390 1/16W Metal Oxide | AA |
| R1402 | VRS-CY1JF182F | J | 1.8k 1/16W Metal Oxide | AA |
| R1403 | VRS-CY1JF103F | J | 10k 1/16W Metal Oxide | AA |
| R1404 | VRS-CY1JF103F | J | 10k 1/16W Metal Oxide | AA |
| R1405 | VRS-CY1JF123F | J | 12k 1/16W Metal Oxide | AA |
| R1406 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1407 | VRS-CY1JF222J | J | 2.2k 1/16W Metal Oxide | AA |
| R1408 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1409 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1410 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1411 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1412 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1413 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1414 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R1432 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1433 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1434 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1435 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1436 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1463 | VRS-CY1JF100J | J | 10 1/16W Metal Oxide | AA |
| R1464 | VRS-CY1JF682J | J | 6.8k 1/16W Metal Oxide | AA |
| R1465 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1466 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1467 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R1468 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R1481 | VRS-CY1JF000J | J | 0 1/16W Metal Oxide | AA |
| R1486 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R1487 | VRS-CY1JF472J | J | 4.7k 1/16W Metal Oxide | AA |
| R1488 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1489 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1490 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R1491 | VRS-CY1JF223J | J | 22k 1/16W Metal Oxide | AA |
| R2101 | VRS-CY1JF3R3J | J | 3.3 1/16W Metal Oxide | AA |
| R2102 | VRS-CY1JF221F | J | 220 1/16W Metal Oxide | AA |
| R2103 | VRS-CY1JF221F | J | 220 1/16W Metal Oxide | AA |
| R2104 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R2105 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R2106 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R2107 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R2108 | VRS-CY1JF102J | J | 1k 1/16W Metal Oxide | AA |
| R2109 | VRS-CY1JF392J | J | 3.9k 1/16W Metal Oxide | AA |
| R2110 | VRS-CY1JF221F | J | 220 1/16W Metal Oxide | AA |
| R2111 | VRS-CY1JF221F | J | 220 1/16W Metal Oxide | AA |
| R2112 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R2113 | VRS-CY1JF562J | J | 5.6k 1/16W Metal Oxide | AA |
| R2114 | VRS-CY1JF562J | J | 5.6k 1/16W Metal Oxide | AA |
| R2115 | VRS-CY1JF272J | J | 2.7k 1/16W Metal Oxide | AA |
| R2116 | VRS-CY1JF272J | J | 2.7k 1/16W Metal Oxide | AA |
| R2117 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R2118 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R2119 | VRS-CY1JF101J | J | 100 1/16W Metal Oxide | AA |
| R2120 | VRS-CY1JF103J | J | 10k 1/16W Metal Oxide | AA |
| R2121 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |
| R2122 | VRS-CY1JF681J | J | 680 1/16W Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | | Description | Code |
|---|---|---|---|---|---|
| R2123 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2124 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2125 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2126 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2127 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2128 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2129 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2130 | VRS-CY1JF104J | J | 100k | 1/16W Metal Oxide | AA |
| R2131 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2132 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2133 | VRS-CY1JF223J | J | 22k | 1/16W Metal Oxide | AA |
| R2134 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2136 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |
| R2137 | VRS-CY1JF391J | J | 390 | 1/16W Metal Oxide | AA |
| R2138 | VRS-CY1JF222F | J | 2.2k | 1/16W Metal Oxide | AA |
| R2139 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2140 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2141 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2142 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2143 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2144 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2145 | VRS-CY1JF561J | J | 560 | 1/16W Metal Oxide | AA |
| R2146 | VRS-CY1JF183F | J | 18k | 1/16W Metal Oxide | AA |
| R2147 | VRS-CY1JF103F | J | 10k | 1/16W Metal Oxide | AA |
| R2148 | VRS-CY1JF273J | J | 27k | 1/16W Metal Oxide | AA |
| R2149 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2150 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2151 | VRS-CY1JF183J | J | 18k | 1/16W Metal Oxide | AA |
| R2152 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2153 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |
| R2154 | VRS-CY1JF912F | J | 9.1k | 1/16W Metal Oxide | AA |
| R2155 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2156 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2157 | VRS-CY1JF122J | J | 1.2k | 1/16W Metal Oxide | AA |
| R2158 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2159 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2160 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2161 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2162 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2163 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2164 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2165 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2166 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2167 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2168 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2169 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2171 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2172 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2173 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2174 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2175 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2176 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2177 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2178 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2179 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2183 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2184 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2185 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2186 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2187 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2188 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2189 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2190 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2191 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2192 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2193 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2194 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2195 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2196 | VRS-CY1JF563J | J | 56k | 1/16W Metal Oxide | AA |
| R2197 | VRS-CY1JF121J | J | 120 | 1/16W Metal Oxide | AA |
| R2198 | VRS-CY1JF121J | J | 120 | 1/16W Metal Oxide | AA |
| R2199 | VRS-CY1JF563J | J | 56k | 1/16W Metal Oxide | AA |
| R2201 | VRS-CY1JF3R3J | J | 3.3 | 1/16W Metal Oxide | AA |
| R2202 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2203 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2204 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2205 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2206 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2207 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2208 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2209 | VRS-CY1JF392J | J | 3.9k | 1/16W Metal Oxide | AA |
| R2210 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2211 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2212 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2213 | VRS-CY1JF562J | J | 5.6k | 1/16W Metal Oxide | AA |
| R2214 | VRS-CY1JF562J | J | 5.6k | 1/16W Metal Oxide | AA |
| R2215 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2216 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2217 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2218 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2219 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2220 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2221 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2222 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2223 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2224 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2225 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2226 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2227 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2228 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2229 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2230 | VRS-CY1JF104J | J | 100k | 1/16W Metal Oxide | AA |
| R2231 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2232 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2233 | VRS-CY1JF223J | J | 22k | 1/16W Metal Oxide | AA |
| R2234 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2236 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |
| R2237 | VRS-CY1JF391J | J | 390 | 1/16W Metal Oxide | AA |
| R2238 | VRS-CY1JF222F | J | 2.2k | 1/16W Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | | Description | Code |
|---|---|---|---|---|---|
| R2239 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2240 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2241 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2242 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2243 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2244 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2245 | VRS-CY1JF561J | J | 560 | 1/16W Metal Oxide | AA |
| R2246 | VRS-CY1JF183F | J | 18k | 1/16W Metal Oxide | AA |
| R2247 | VRS-CY1JF103F | J | 10k | 1/16W Metal Oxide | AA |
| R2248 | VRS-CY1JF273J | J | 27k | 1/16W Metal Oxide | AA |
| R2249 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2250 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2251 | VRS-CY1JF183J | J | 18k | 1/16W Metal Oxide | AA |
| R2252 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2253 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |
| R2254 | VRS-CY1JF912F | J | 9.1k | 1/16W Metal Oxide | AA |
| R2255 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2256 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2257 | VRS-CY1JF122J | J | 1.2k | 1/16W Metal Oxide | AA |
| R2258 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2259 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2260 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2261 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2262 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2263 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2264 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2265 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2266 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2267 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2268 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2269 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2271 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2272 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2273 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2274 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2275 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2276 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2277 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2278 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2279 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2283 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2284 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2285 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2286 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2287 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2288 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2289 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2290 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2291 | VRS-CY1JF181J | J | 180 | 1/16W Metal Oxide | AA |
| R2292 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2293 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2294 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2295 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2296 | VRS-CY1JF563J | J | 56k | 1/16W Metal Oxide | AA |
| R2297 | VRS-CY1JF121J | J | 120 | 1/16W Metal Oxide | AA |
| R2298 | VRS-CY1JF121J | J | 120 | 1/16W Metal Oxide | AA |
| R2299 | VRS-CY1JF563J | J | 56k | 1/16W Metal Oxide | AA |
| R2301 | VRS-CY1JF3R3J | J | 3.3 | 1/16W Metal Oxide | AA |
| R2302 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2303 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2304 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2305 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2306 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2307 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2308 | VRS-CY1JF102J | J | 1k | 1/16W Metal Oxide | AA |
| R2309 | VRS-CY1JF392J | J | 3.9k | 1/16W Metal Oxide | AA |
| R2310 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2311 | VRS-CY1JF221F | J | 220 | 1/16W Metal Oxide | AA |
| R2312 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2313 | VRS-CY1JF562J | J | 5.6k | 1/16W Metal Oxide | AA |
| R2314 | VRS-CY1JF562J | J | 5.6k | 1/16W Metal Oxide | AA |
| R2315 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2316 | VRS-CY1JF272J | J | 2.7k | 1/16W Metal Oxide | AA |
| R2317 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2318 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2319 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2320 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2321 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2322 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2323 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2324 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2325 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2326 | VRS-CY1JF101J | J | 100 | 1/16W Metal Oxide | AA |
| R2327 | VRS-CY1JF681J | J | 680 | 1/16W Metal Oxide | AA |
| R2328 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2329 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2330 | VRS-CY1JF104J | J | 100k | 1/16W Metal Oxide | AA |
| R2331 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2332 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2333 | VRS-CY1JF223J | J | 22k | 1/16W Metal Oxide | AA |
| R2334 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2336 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |
| R2337 | VRS-CY1JF391J | J | 390 | 1/16W Metal Oxide | AA |
| R2338 | VRS-CY1JF222F | J | 2.2k | 1/16W Metal Oxide | AA |
| R2339 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2340 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2341 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2342 | VRS-CY1JF470J | J | 47 | 1/16W Metal Oxide | AA |
| R2343 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2344 | VRS-CY1JF000J | J | 0 | 1/16W Metal Oxide | AA |
| R2345 | VRS-CY1JF561J | J | 560 | 1/16W Metal Oxide | AA |
| R2346 | VRS-CY1JF183F | J | 18k | 1/16W Metal Oxide | AA |
| R2347 | VRS-CY1JF103F | J | 10k | 1/16W Metal Oxide | AA |
| R2348 | VRS-CY1JF273J | J | 27k | 1/16W Metal Oxide | AA |
| R2349 | VRS-CY1JF103J | J | 10k | 1/16W Metal Oxide | AA |
| R2350 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2351 | VRS-CY1JF183J | J | 18k | 1/16W Metal Oxide | AA |
| R2352 | VRS-CY1JF682J | J | 6.8k | 1/16W Metal Oxide | AA |
| R2353 | VRS-CY1JF821F | J | 820 | 1/16W Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| R2354 | VRS-CY1JF912F | J | 9.1k | 1/16W | Metal Oxide | AA |
| R2355 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R2356 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R2357 | VRS-CY1JF122J | J | 1.2k | 1/16W | Metal Oxide | AA |
| R2358 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2359 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2360 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2361 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2362 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2363 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2364 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2365 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2366 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2367 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2368 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2369 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2371 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2372 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2373 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2374 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2375 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2376 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2377 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2378 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2379 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2383 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2384 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2385 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2386 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2387 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2388 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R2389 | VRS-CY1JF181J | J | 180 | 1/16W | Metal Oxide | AA |
| R2390 | VRS-CY1JF181J | J | 180 | 1/16W | Metal Oxide | AA |
| R2391 | VRS-CY1JF181J | J | 180 | 1/16W | Metal Oxide | AA |
| R2392 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R2393 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R2394 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R2395 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R2396 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R2397 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R2398 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R2399 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3150 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3151 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3152 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3153 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3154 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R3155 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3156 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3157 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3158 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3159 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3160 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R3161 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R3250 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3251 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3252 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3253 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3254 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R3255 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3256 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3257 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3258 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3259 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3260 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R3261 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R3350 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3351 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3352 | VRS-CY1JF121J | J | 120 | 1/16W | Metal Oxide | AA |
| R3353 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R3354 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R3355 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3356 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3357 | VRD-RA2BE103J | J | 10k | 1/8W | Carbon | AA |
| R3358 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3359 | VRD-RA2BE182J | J | 1.8k | 1/8W | Carbon | AA |
| R3360 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R3361 | VRS-CY1JF681J | J | 680 | 1/16W | Metal Oxide | AA |
| R5001 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5002 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5005 | VRS-CY1JF472F | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5006 | VRS-CY1JF203F | J | 20k | 1/16W | Metal Oxide | AA |
| R5007 | VRS-CY1JF472F | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5008 | VRS-CY1JF103F | J | 10k | 1/16W | Metal Oxide | AA |
| R5009 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5010 | VRS-CY1JF105J | J | 1 M | 1/16W | Metal Oxide | AA |
| R5011 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5012 | VRS-CB1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5013 | VRS-CY1JF273J | J | 27k | 1/16W | Metal Oxide | AA |
| R5014 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5015 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5017 | VRN-CY1JF153D | J | 15k | 1/16W | Metal Film | AA |
| R5018 | VRN-CY1JF222D | J | 2.2k | 1/16W | Metal Film | AB |
| R5019 | VRS-CY1JF273J | J | 27k | 1/16W | Metal Oxide | AA |
| R5020 | VRN-CY1JF123D | J | 12k | 1/16W | Metal Film | AB |
| R5021 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5022 | VRN-CY1JF272D | J | 2.7k | 1/16W | Metal Film | AB |
| R5025 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5026 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R5027 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R5028 | VRS-CA1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5029 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5030 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5031 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5032 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5033 | VRS-CY1JF162F | J | 1.6k | 1/16W | Metal Oxide | AA |
| R5034 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R5035 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5036 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| R5037 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5038 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5039 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5040 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5041 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5042 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5043 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5044 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5045 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5046 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5047 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5048 | VRS-TW2ED000J | J | 0 | 1/4W | Metal Oxide | AB |
| R5049 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5051 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5052 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5053 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5054 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5055 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5056 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5061 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5062 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5063 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5064 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5065 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5066 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5067 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5068 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5070 | VRS-CB1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5071 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5072 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5073 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5076 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5077 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5078 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R5079 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5080 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R5081 | VRS-CA1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5082 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5083 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5084 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5085 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5086 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5087 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5088 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5089 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5091 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5096 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5099 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5103 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5104 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5112 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5113 | VRS-CY1JF105J | J | 1 M | 1/16W | Metal Oxide | AA |
| R5114 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5115 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5116 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5118 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5119 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5120 | VRS-CY1JF273J | J | 27k | 1/16W | Metal Oxide | AA |
| R5121 | VRS-CY1JF683J | J | 68k | 1/16W | Metal Oxide | AA |
| R5122 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R5123 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5124 | VRS-CY1JF823J | J | 82k | 1/16W | Metal Oxide | AA |
| R5125 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5127 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5128 | VRS-CY1JF105J | J | 1 M | 1/16W | Metal Oxide | AA |
| R5129 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5130 | VRS-CY1JF105J | J | 1 M | 1/16W | Metal Oxide | AA |
| R5131 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R5133 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5134 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5137 | VRS-CY1JF563J | J | 56k | 1/16W | Metal Oxide | AA |
| R5138 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5139 | VRS-CY1JF823J | J | 82k | 1/16W | Metal Oxide | AA |
| R5140 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5141 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5142 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5143 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5144 | VRS-CY1JF683J | J | 68k | 1/16W | Metal Oxide | AA |
| R5145 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5146 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5147 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5148 | VRS-CY1JF105J | J | 1 M | 1/16W | Metal Oxide | AA |
| R5150 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5151 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5154 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5157 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5159 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5160 | VRS-CY1JF333J | J | 33k | 1/16W | Metal Oxide | AA |
| R5161 | VRS-CY1JF333J | J | 33k | 1/16W | Metal Oxide | AA |
| R5162 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |
| R5163 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |
| R5164 | VRS-CY1JF334J | J | 330k | 1/16W | Metal Oxide | AA |
| R5165 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5166 | VRS-CY1JF333J | J | 33k | 1/16W | Metal Oxide | AA |
| R5167 | VRS-CY1JF330J | J | 33 | 1/16W | Metal Oxide | AA |
| R5169 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5170 | VRS-CY1JF333J | J | 33k | 1/16W | Metal Oxide | AA |
| R5171 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5172 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5173 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R5174 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R5175 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R5179 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5180 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5181 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5182 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5183 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5184 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5186 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |

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## OUTPUT UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| R5187 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5188 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5189 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5190 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5191 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5192 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5193 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5194 | VRS-CY1JF751J | J | 750 | 1/16W | Metal Oxide | AA |
| R5195 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5196 | VRS-CY1JF751J | J | 750 | 1/16W | Metal Oxide | AA |
| R5197 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5198 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5199 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5201 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5202 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5203 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5204 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5205 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5206 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5207 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5208 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5209 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5210 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5211 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5212 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5213 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5214 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5215 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5216 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5217 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5218 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5219 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5220 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5221 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5222 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5223 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5224 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5225 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5226 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5227 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5228 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5229 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5230 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5231 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5232 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5233 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5234 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5235 | VRS-CY1JF222J | J | 2.2k | 1/16W | Metal Oxide | AA |
| R5236 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5241 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5242 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5501 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5502 | VRS-TV1JD4R7J | J | 4.7 | 1/16W | Metal Oxide | AA |
| R5503 | VRS-TX2HF2R2J | J | 2.2 | 1/2W | Metal Oxide | AB |
| R5506 | VRS-TX2HF2R2J | J | 2.2 | 1/2W | Metal Oxide | AB |
| R5507 | VRS-TX2HF2R2J | J | 2.2 | 1/2W | Metal Oxide | AB |
| R5508 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5509 | VRS-CB1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5510 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5511 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5512 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5513 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5514 | VRS-CY1JF821J | J | 820 | 1/16W | Metal Oxide | AA |
| R5515 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5516 | VRS-CY1JF183J | J | 18k | 1/16W | Metal Oxide | AA |
| R5517 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5518 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5519 | VRS-CY1JF332J | J | 3.3k | 1/16W | Metal Oxide | AA |
| R5520 | VRS-CY1JF153J | J | 15k | 1/16W | Metal Oxide | AA |
| R5521 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5522 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5523 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5524 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5526 | VRS-CY1JF184J | J | 180k | 1/16W | Metal Oxide | AA |
| R5527 | VRN-CY1JF242D | J | 2.4k | 1/16W | Metal Film | AB |
| R5528 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5529 | VRS-CY1JF562J | J | 5.6k | 1/16W | Metal Oxide | AA |
| R5530 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5531 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5532 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5533 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5534 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5535 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5536 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5537 | VRS-TX2HF100J | J | 10 | 1/2W | Metal Oxide | AA |
| R5538 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5539 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5540 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5542 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5543 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5544 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5545 | VRS-CY1JF273J | J | 27k | 1/16W | Metal Oxide | AA |
| R5550 | VRS-CY1JF393J | J | 39k | 1/16W | Metal Oxide | AA |
| R5551 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5552 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5553 | VRS-CY1JF223J | J | 22k | 1/16W | Metal Oxide | AA |
| R5554 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5555 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5556 | VRS-TX2HF1R0J | J | 1 | 1/2W | Metal Oxide | AA |
| R5557 | VRS-TX2HF1R0J | J | 1 | 1/2W | Metal Oxide | AA |
| R5558 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5563 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5564 | VRS-CY1JF123F | J | 12k | 1/16W | Metal Oxide | AA |
| R5565 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R5566 | VRS-CY1JF510F | J | 51 | 1/16W | Metal Oxide | AA |
| R5567 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5568 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5569 | VRS-CY1JF822J | J | 8.2k | 1/16W | Metal Oxide | AA |
| R5570 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|

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### OUTPUT UNIT (Continued)

| | | | | | | |
|---|---|---|---|---|---|---|
| R5573 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5574 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5575 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5576 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5577 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5578 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5579 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5580 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5581 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5582 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5583 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5584 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5585 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5586 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5587 | VRS-CY1JF000J | J | 0 | 1/16W | Metal Oxide | AA |
| R5588 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5590 | VRS-CY1JF102J | J | 1k | 1/16W | Metal Oxide | AA |
| R5592 | VRS-CB1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5593 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5594 | VRS-CY1JF472J | J | 4.7k | 1/16W | Metal Oxide | AA |
| R5595 | VRS-CY1JF101J | J | 100 | 1/16W | Metal Oxide | AA |
| R5596 | VRS-TX2HF1R0J | J | 1 | 1/2W | Metal Oxide | AA |
| R5601 | VRS-CY1JF104J | J | 100k | 1/16W | Metal Oxide | AA |
| R5604 | VRS-CY1JF272J | J | 2.7k | 1/16W | Metal Oxide | AA |
| R5619 | VRS-CY1JF682J | J | 6.8k | 1/16W | Metal Oxide | AA |
| R5620 | VRS-CY1JF562J | J | 5.6k | 1/16W | Metal Oxide | AA |
| R5621 | VRS-CY1JF103J | J | 10k | 1/16W | Metal Oxide | AA |
| R5622 | VRS-CY1JF123F | J | 12k | 1/16W | Metal Oxide | AA |
| R5623 | VRS-CY1JF102F | J | 1k | 1/16W | Metal Oxide | AA |
| R5624 | VRS-CY1JF221J | J | 220 | 1/16W | Metal Oxide | AA |

### SWITCHES

| | | | | |
|---|---|---|---|---|
| S2003 | QSW-S0198CEZZ | J | Switch | AF |
| S5001 | QSW-K0065GEZZ | J | Switch | AC |

### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| FB1101 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1102 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1201 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1202 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1301 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB1302 | RBLN-0059CEZZ | J | Ferrite Bead | AB |
| FB5001 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5501 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5502 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5504 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5505 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5506 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5507 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5508 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5509 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5510 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5512 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5513 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5514 | RBLN-0065CEZZ | J | Ferrite Bead | AB |
| FB5516 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| FB5517 | RBLN-0062CEZZ | J | Ferrite Bead | AC |
| P1403 | QPLGN0182FJZZ | J | Plug 10-Pin (SO) | AD |
| P1404 | QCNCM6013CEZZ | J | Connector 60-Pin | AP |
| P1405 | QCNCM6013CEZZ | J | Connector 60-Pin | AP |
| P5001 | QPLGN0478GEZZ | J | Plug 4-Pin | AB |
| P5002 | QPLGN0978GEZZ | J | Plug 9-Pin (LE) | AC |
| P5014 | QPLGN0378GEZZ | J | Plug 3-Pin (RC) | AB |
| P5501 | QPLGN0174FJZZ | J | Plug 2-Pin (Q) | AC |
| P5502 | QPLGN1463TAZZ | J | Plug 14-Pin | AE |
| P5503 | QPLGN0264TAZZ | J | Plug 2-Pin (L) | AC |
| P5504 | QPLGN0174FJZZ | J | Plug 2-Pin (F) | AC |
| P5505 | QPLGN0176FJZZ | J | Plug 4-Pin (FS) | AD |
| P5506 | QPLGN0175FJZZ | J | Plug 3-Pin (FN) | AD |
| P5507 | QPLGN0175FJZZ | J | Plug 3-Pin (FF) | AD |
| P5508 | QPLGN0179FJZZ | J | Plug 7-Pin (EB) | AD |
| P5509 | QPLGN0184FJZZ | J | Plug 12-Pin (EA) | AE |
| P5510 | QPLGN0464TAZZ | J | Plug 4-Pin (AZ) | AC |
| P5511 | QPLGN0177FJZZ | J | Plug 5-Pin (AS) | AD |
| SC1101 | QSOCN3276TAZZ | J | Socket 32-Pin (RP) | AH |
| SC1201 | QSOCN3276TAZZ | J | Socket 32-Pin (GP) | AH |
| SC1301 | QSOCN3276TAZZ | J | Socket 32-Pin (BP) | AH |
| SC1501 | QSOCZ7051CEZZ | J | Socket 70-Pin | AR |
| SC1503 | QSOCN1069CEZZ | J | Socket 10-Pin | AD |
| SC5001 | QSOCN1236TAZZ | J | Socket 12-Pin (KY) | AD |
| TP1101 | QLUGP0110TAFW | J | Lug | AA |
| TP1102 | QLUGP0110TAFW | J | Lug | AA |
| TP1201 | QLUGP0110TAFW | J | Lug | AA |
| TP1202 | QLUGP0110TAFW | J | Lug | AA |
| TP1301 | QLUGP0110TAFW | J | Lug | AA |
| TP1302 | QLUGP0110TAFW | J | Lug | AA |

## DUNTK9504DE02
### INFRARED R/C RECEIVER UNIT

### CAPACITOR

| | | | | | | |
|---|---|---|---|---|---|---|
| C7501 | VCEAPF0JW107M | J | 100 | 6.3V | Electrolytic | AC |

### RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| R7501 | VRS-CY1JF471J | J | 470 | 1/16W | Metal Oxide | AA |
| R7502 | VRS-CY1JF220J | J | 22 | 1/16W | Metal Oxide | AA |

### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| P7501 | QPLGN0378GEZZ | J | Plug 3-Pin (RC) | AB |
| RMC7501 | RRMCU0225CEZZ | J | Infrared R/C Receiver | AK |
| | PSLDC3060CEFW | J | Shield | AF |

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|

## RUNTK0571CEZZ
### AC-SW UNIT

#### COILS

| | | | | | | |
|---|---|---|---|---|---|---|
| ⚠L701 | 95KUKZ0705ZZ | J | Filter | ADR-25-06-050T | | AQ |
| ⚠L702 | 95KUKZ0855ZZ | J | Filter | ADR2510-030T | | AR |

#### CAPACITORS

| | | | | | | |
|---|---|---|---|---|---|---|
| C701 | 95KUGFZ474FE | J | 0.47 | | Film | AH |
| ⚠C702 | 95KUGFZ224FE | J | 0.22 | | Film | AF |
| C703 | 95KUGFZ224FE | J | 0.22 | | Film | AF |
| ⚠C704 | 95KUGCZ222CX | J | 2200P | | Ceramic | AD |
| ⚠C705 | 95KUGCZ222CX | J | 2200P | | Ceramic | AD |

#### RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| ⚠R701 | 95KUEEC474CH | J | 470k | 1/2W | Carbon | AC |
| ⚠R702 | 95KUEEC474CH | J | 470k | 1/2W | Carbon | AC |
| ⚠R704 | 95KUEZ0602ZZ | J | 8.2M | 1/2W | Solid | AC |
| ⚠R705 | 95KUEZ0602ZZ | J | 8.2M | 1/2W | Solid | AC |

#### SWITCH

| | | | | |
|---|---|---|---|---|
| ⚠SW701 | 95KPFZ0226ZZ | J | Main Power Switch | AM |

#### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| ⚠F701 | 95KPJCZZ0050 | J | Fuse T6.3AH (250V) | AH |
| | 95KPKZ1167ZZ | J | Base Pin 3-Pin (BA) | AK |
| | 95KPKZ1168ZZ | J | Base Pin 2-Pin (PA) | AD |
| | 95KPKZ1168ZZ | J | Base Pin 2-Pin (PE) | AD |

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|

## DUNTK9382DE06/07
### LED UNIT

#### INTEGRATED CIRCUIT

| | | | | |
|---|---|---|---|---|
| IC7301 | VHiTDA1517/-1 | J | TDA1517/N2 | AL |

#### DIODES

| | | | | |
|---|---|---|---|---|
| D7301 | RH-PX0287CEZZ | J | Photodiode LED, Power Indicator | AC |
| D7302 | RH-PX0287CEZZ | J | Photodiode LED, Lamp Indicator | AC |
| D7303 | RH-PX0175CEZZ | J | Photodiode LED, Temp Indicator | AB |

#### CAPACITORS

| | | | | | | |
|---|---|---|---|---|---|---|
| C7301 | VCE9EA1CW475M | J | 4.7 | 16V | Elect. (N.P) | AB |
| C7302 | VCEAGA1CW107M | J | 100 | 16V | Electrolytic | AB |
| C7303 | VCEAGA1EW108M | J | 1000 | 25V | Electrolytic | AD |
| C7304 | VCEAGA1EW108M | J | 1000 | 25V | Electrolytic | AD |
| C7305 | VCE9EA1CW475M | J | 4.7 | 16V | Elect. (N.P) | AB |
| C7306 | VCEAGA1EW477M | J | 470 | 25V | Electrolytic | AD |
| C7307 | VCQYTA1HM104J | J | 0.1 | 50V | Mylar | AA |
| C7308 | VCEAEA1VW475M | J | 4.7 | 35V | Electrolytic | AB |

#### RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| R7301 | VRD-RA2HD102J | J | 1k | 1/2W | Carbon | AA |
| R7302 | VRD-RA2HD102J | J | 1k | 1/2W | Carbon | AA |
| R7303 | VRD-RA2HD102J | J | 1k | 1/2W | Carbon | AA |

#### SWITCH

| | | | | |
|---|---|---|---|---|
| S7301 | QSW-P0577CEZZ | J | Power Switch | AE |

#### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| FB7301 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| FB7302 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| FB7303 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| FB7304 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| FB7305 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| FB7306 | RBLN-0037CEZZ | J | Ferrite Bead | AB |
| P7301 | QPLGN0978GEZZ | J | Plug 9-Pin (LE) | AC |
| P7302 | QPLGN1078GEZZ | J | Plug 10-Pin (SO) | AC |
| P7303 | QPLGN0478GEZZ | J | Plug 4-Pin (SP) | AB |
| | PRDAR1521CEFW | J | Heat Sink | AL |
| | LHLDZ1814CEZZ | J | Holder | AD |
| | LHLDW1037CEZZ | J | Holder | AA |
| | LX-BZ3220CEFD | J | Screw | AA |

# CTANZ0706CE01
## VIDEO BOARD UNIT

*NOTE: THE U. K. AND EUROPE-DESTINED VERSIONS OF MODEL XG-XV1E ARE OPTIONAL.*

### INTEGRATED CIRCUITS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| IC6001 | 95J0236562 | J | Video Switch | AQ |
| IC6002 | 95J0236554 | J | Audio Switch (R) | AQ |
| IC6003 | 95J0236554 | J | Audio Switch (L) | AQ |
| IC6004 | 95J5816021501 | J | MC141627 | |

### TRANSISTORS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| Q6001 | 95J0095695 | J | DTC144EKA | AD |
| Q6002 | 95J0236638 | J | 2SA1037KQ | AD |
| Q6003 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6004 | 95J0236638 | J | 2SA1037KQ | AD |
| Q6005 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6006 | 95J0236638 | J | 2SA1037KQ | AD |
| Q6007 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6008 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6009 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6010 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6011 | 95J0236638 | J | 2SA1037KQ | AD |
| Q6012 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6013 | 95J0221614 | J | 2SC2412KQ | AD |
| Q6014 | 95J0221614 | J | 2SC2412KQ | AD |

### DIODES

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D6001 | 95J0225821 | J | Zener Diode 12V | AC |
| D6002 | 95J0225821 | J | Zener Diode 12V | AC |
| D6003 | 95J0225821 | J | Zener Diode 12V | AC |
| D6004 | 95J0225821 | J | Zener Diode 12V | AC |
| D6005 | 95J0225821 | J | Zener Diode 12V | AC |
| D6006 | 95J0225821 | J | Zener Diode 12V | AC |
| D6007 | 95J0076265 | J | Switching Diode MA153 | AF |

### COILS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| FL6001 | 95J0236745 | J | Filter | AG |
| FL6002 | 95J04160904003 | J | Filter | AG |
| FL6003 | 95J04160904003 | J | Filter | AG |
| FL6004 | 95J04160904003 | J | Filter | AG |
| FL6005 | 95J04160904003 | J | Filter | AG |
| FL6006 | 95J04160904003 | J | Filter | AG |
| FL6007 | 95J0236745 | J | Filter | AG |
| FL6008 | 95J0236745 | J | Filter | AG |
| FL6009 | 95J0236745 | J | Filter | AG |
| FL6010 | 95J0236745 | J | Filter | AG |
| FL6011 | 95J5816021501 | J | Filter | |
| FL6012 | 95J5816021501 | J | Filter | |
| L6001 | 95J0236729 | J | Peaking Coil 27µH | AF |

### CAPACITORS

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| C6001 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6002 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6003 | 95J0109332 | J | 0.1 | 25V | Electrolytic | AC |
| C6004 | 95J0120550 | J | 1 | 50V | Electrolytic | AF |
| C6005 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6006 | 95J0228841 | J | 100 | 16V | Electrolytic | AF |
| C6007 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6008 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6009 | 95J0036772 | J | 0.01 | 50V | Electrolytic | AC |
| C6010 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6011 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6012 | 95J0036772 | J | 0.01 | 50V | Electrolytic | AC |
| C6013 | 95J0109332 | J | 0.1 | 25V | Chip 1608 | AC |
| C6014 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C6015 | 95J0109332 | J | 0.1 | 25V | Ceramic | AC |
| C6016 | 95J0109332 | J | 0.1 | 25V | Ceramic | AC |
| C6017 | 95J0136275 | J | 100 | 6.3V | Electrolytic | AF |
| C6018 | 95J0109332 | J | 0.1 | 25V | Ceramic | AC |
| C6019 | 95J0236711 | J | 10 | 16V | Elect. (N.P) | AF |
| C6020 | 95J0109332 | J | 0.1 | 25V | Ceramic | AC |
| C6021 | 95J0236711 | J | 10 | 16V | Elect. (N.P) | AF |
| C6022 | 95J0120550 | J | 1 | 50V | Electrolytic | AF |
| C6023 | 95J0036434 | J | 27p | 50V | Ceramic | AC |
| C6024 | 95J0036434 | J | 27p | 50V | Ceramic | AC |
| C6025 | 95J0120584 | J | 22 | 16V | Electrolytic | AD |
| C6027 | 95J0236711 | J | 10 | 16V | Elect. (N.P) | AF |
| C6028 | 95J0124156 | J | 2.2 | 50V | Electrolytic | AC |
| C6029 | 95J0036772 | J | 0.01 | 50V | Ceramic | AC |
| C6030 | 95J0120550 | J | 1 | 50V | Electrolytic | AE |
| C6031 | 95J0109332 | J | 0.1 | 25V | Ceramic | AC |
| C6032 | 95J0228841 | J | 100 | 16V | Electrolytic | AF |

### RESISTORS

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| R6001 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6002 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R6003 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R6004 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6005 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R6006 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6007 | 95J0236786 | J | 75 | 1/16W | Chip 3216 | AC |
| R6008 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6009 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6010 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6011 | 95J0052738 | J | 12k | 1/16W | Chip 1608 | AC |
| R6012 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R6013 | 95J0052738 | J | 12k | 1/16W | Chip 1608 | AC |
| R6014 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R6015 | 95J0052738 | J | 12k | 1/16W | Chip 1608 | AC |
| R6016 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R6017 | 95J0052738 | J | 12k | 1/16W | Chip 1608 | AC |
| R6018 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R6019 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6020 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6021 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6022 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6035 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6036 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6037 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6038 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

## CTANZ0706CE01
## VIDEO BOARD UNIT (Continued)

| | | | | | | |
|---|---|---|---|---|---|---|
| R6039 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6040 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6041 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6042 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6043 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6044 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6045 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6046 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6047 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6049 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6050 | 95J0052217 | J | 56 | 1/16W | Chip 1608 | AC |
| R6051 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6052 | 95J0052712 | J | 10k | 1/16W | Chip 1608 | AC |
| R6053 | 95J0133645 | J | 750k | 1/16W | Chip 1608 | AC |
| R6054 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R6055 | 95J0052217 | J | 56 | 1/16W | Chip 1608 | AC |
| R6056 | 95J0052514 | J | 1.5k | 1/16W | Chip 1608 | AC |
| R6057 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6058 | 95J0052795 | J | 27k | 1/16W | Chip 1608 | AC |
| R6059 | 95J0052795 | J | 27k | 1/16W | Chip 1608 | AC |
| R6060 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6061 | 95J0052217 | J | 56 | 1/16W | Chip 1608 | AC |
| R6062 | 95J0052514 | J | 1.5k | 1/16W | Chip 1608 | AC |
| R6063 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R6064 | 95J0052696 | J | 8.2k | 1/16W | Chip 1608 | AC |
| R6065 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6066 | 95J0219386 | J | 390 | 1/16W | Chip 1608 | |
| R6067 | 95J0236778 | J | 470 | 1/16W | Chip 1608 | AC |
| R6068 | 95J0052514 | J | 1.5k | 1/16W | Chip 1608 | AC |
| R6069 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6070 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6071 | 95J0052541 | J | 1.5k | 1/16W | Chip 1608 | AC |
| R6072 | 95J0052217 | J | 56 | 1/16W | Chip 1608 | AC |
| R6073 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6074 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6075 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6076 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R6077 | 95J0052746 | J | 15k | 1/16W | Chip 1608 | AC |
| R6078 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R6079 | 95J0036778 | J | 470 | 1/16W | Chip 1608 | AC |
| R6080 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R6081 | 95J0236760 | J | 220k | 1/16W | Chip 1608 | AC |
| R6082 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R6083 | 95J0052316 | J | 220 | 1/16W | Chip 1608 | AC |
| R6084 | 95J0052217 | J | 56 | 1/16W | Chip 1608 | AC |
| R6085 | 95J0054288 | J | 120 | 1/10W | Chip 1608 | AC |
| R6086 | 95J0208785 | J | 680 | 1/16W | Chip 1608 | |
| R6087 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6088 | 95J0052969 | J | 1M | 1/16W | Chip 1608 | AC |
| R6089 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R6090 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R6091 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6092 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6093 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6094 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6095 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6096 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6097 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6098 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6099 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |
| R6100 | 95J0055194 | J | 0 | 1/10W | Chip 2125 | |

### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| SC6001 | 95J0225706 | J | Socket 30-Pin (VS) | AN |
| FB6001 | 95J0236737 | J | Ferrite Bead | AD |
| J6001 | 95J0229500 | J | Jack, S-Video Input | AL |
| J6002 | 95J196317A | J | Jack, Video Output: BNC | AW |
| J6003 | 95J0225518 | J | Jack, Video 1 Audio In | AM |
| J6004 | 95J0225518 | J | Jack, Video 2 Audio In | AM |

# CTANZ0705CE01
## PC TERMINAL UNIT

### INTEGRATED CIRCUITS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| IC3001 | 95J0236505 | J | AD8013AR | AV |
| IC3002 | 95J0236539 | J | 74ALS1034 | AK |
| IC3003 | 95J0236547 | J | TL712CPS | AK |
| IC3004 | 95J0236547 | J | TL712CPS | AK |
| IC3005 | 95J0236547 | J | TL712CPS | AK |
| IC3006 | 95J0236588 | J | UPD4721G | AX |
| IC3007 | 95J58160215016 | J | iX2955CE | AR |
| IC3008 | 95J58160215017 | J | iX3015CE | AV |
| IC3009 | 95J0236547 | J | TL712CSP | AK |
| IC3010 | 95J0236547 | J | TL712CSP | AK |
| IC3011 | 95J0236570 | J | M52348SP | AU |
| IC3012 | 95J0236521 | J | 74LS153 | AL |
| IC3013 | 95J0236513 | J | 24LC21 | AQ |

### TRANSISTORS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| Q3001 | 95J0221614 | J | 2SC2412 (Q) | AD |
| Q3002 | 95J0236638 | J | 2SA1037 (Q) | AD |
| Q3003 | 95J0221614 | J | 2SC2412 (Q) | AD |
| Q3004 | 95J0236596 | J | 2SC2996 (Y) | AE |
| Q3005 | 95J0236596 | J | 2SC2996 (Y) | AE |
| Q3006 | 95J0236596 | J | 2SC2996 (Y) | AE |

### DIODES

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D3003 | 95J0236604 | J | Diode MA152WA | AE |
| D3004 | 95J0236604 | J | Diode MA152WA | AE |
| D3007 | 95J0236604 | J | Diode MA152WA | AE |
| D3008 | 95J0236604 | J | Diode MA152WA | AE |
| D3009 | 95J0236612 | J | Diode MA3120WA | AE |
| D3011 | 95J0236612 | J | Diode MA3120WA | AE |
| D3013 | 95J0236612 | J | Diode MA3120WA | AE |
| D3015 | 95J0236620 | J | Diode MA3056 | AE |
| D3016 | 95J0236612 | J | Diode MA3120WA | AE |
| D3018 | 95J0236612 | J | Diode MA3120WA | AE |
| D3019 | 95J0236612 | J | Diode MA3120WA | AE |
| D3020 | 95K0236604 | J | Diode MA152WA | AE |
| D3021 | 95K0236604 | J | Diode MA152WA | AE |
| D3022 | 95K0236604 | J | Diode MA152WA | AE |
| D3023 | 95K0236604 | J | Diode MA152WA | AE |
| D3024 | 95K0236604 | J | Diode MA152WA | AE |
| D3025 | 95J0236612 | J | Diode MA3120WA | AE |
| D3026 | 95J0236612 | J | Diode MA3120WA | AE |
| D3027 | 95J0236604 | J | Diode MA152WA | AE |
| D3028 | 95J0236604 | J | Diode MA152WA | AE |
| D3029 | 95J0236604 | J | Diode MA152WA | AE |
| D3030 | 95J0236604 | J | Diode MA152WA | AE |
| D3031 | 95J0236612 | J | Diode MA3120WA | AE |

### COILS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| CF3001 | 95J0236752 | J | Ceramic Filter 4.0MHz | AK |
| L3001 | 95J0215665 | J | Peaking Coil LQH1C100K04 | AG |
| L3002 | 95J0215665 | J | Peaking Coil LQH1C100K04 | AG |
| L3003 | 95J0215665 | J | Peaking Coil LQH1C100K04 | AG |
| L3004 | 95J0236703 | J | Peaking Coil LQH1C220K04 | AG |
| L3005 | 95J0236703 | J | Peaking Coil LQH1C220K04 | AG |
| L3006 | 95J0215665 | J | Peaking Coil LQH1C100K04 | AG |

### CAPACITORS

| Ref. No. | Part No. | ★ | | | | Code |
|---|---|---|---|---|---|---|
| C3001 | 95J0036459 | J | 33p | 50V | Chip 1608 | AC |
| C3002 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3003 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3004 | 95J0036459 | J | 33p | 50V | Chip 1608 | AC |
| C3005 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3006 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3007 | 95J0228841 | J | 100 | 16V | Electrolytic | AF |
| C3008 | 95J0036459 | J | 33p | 50V | Chip 1608 | AC |
| C3009 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3010 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3011 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3012 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3013 | 95J0228841 | J | 100 | 16V | Electrolytic | AF |
| C3014 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3015 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C3016 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C3017 | 95J0124156 | J | 2.2 | 50V | Electrolytic | AC |
| C3018 | 95J0124156 | J | 2.2 | 50V | Electrolytic | AC |
| C3019 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3020 | 95J0124156 | J | 2.2 | 50V | Electrolytic | AC |
| C3021 | 95J0124156 | J | 2.2 | 50V | Electrolytic | AC |
| C3022 | 95J0036574 | J | 220p | 50V | Chip 1608 | AC |
| C3023 | 95J0036574 | J | 220p | 50V | Chip 1608 | AC |
| C3024 | 95J0136275 | J | 100 | 6.3V | Electrolytic | AF |
| C3025 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3026 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3027 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3028 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3029 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3030 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3031 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3032 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3033 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3034 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3035 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3036 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3037 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3038 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3039 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3040 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3041 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3042 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3043 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3044 | 95J0036459 | J | 33p | 50V | Chip 1608 | AC |
| C3045 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3046 | 95J0036459 | J | 33p | 50V | Chip 1608 | AC |
| C3047 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3048 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C3050 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3052 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C3053 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3056 | 95J0120576 | J | 10 | 16V | Electrolytic | AD |
| C3057 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3060 | 95J0228841 | J | 100 | 16V | Electrolytic | AF |
| C3062 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3063 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3064 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3065 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |

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## PC TERMINAL UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C3066 | 95J0109322 | J | 0.1 | 25V | Chip 1608 | AD |
| C3067 | 95J0124164 | J | 22 | 6.3V | Electrolytic | |
| C3068 | 95J0124164 | J | 22 | 6.3V | Electrolytic | |
| C3069 | 95J0124164 | J | 22 | 6.3V | Electrolytic | |
| C3070 | 95J0020592 | J | 47 | 16V | Electrolytic | AF |
| C3071 | 95J0036772 | J | 0.01 | 50V | Chip 1608 | AC |
| C3072 | 95J0124198 | J | 47 | 6.3V | Electrolytic | AE |

### RESISTORS

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| R2001 | 95J0236786 | J | 75 | 1/4W | Chip 3225 | AC |
| R2002 | 95J0236786 | J | 75 | 1/4W | Chip 3225 | AC |
| R2003 | 95J0236786 | J | 75 | 1/4W | Chip 3225 | AC |
| R3004 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3005 | 95J0052613 | J | 3.9k | 1/16W | Chip 1608 | AC |
| R3006 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3007 | 95J0052332 | J | 270 | 1/16W | Chip 1608 | AC |
| R3008 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3009 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3010 | 95J0052613 | J | 3.9k | 1/16W | Chip 1608 | AC |
| R3011 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3012 | 95J0052332 | J | 270 | 1/16W | Chip 1608 | AC |
| R3013 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3014 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3015 | 95J0052613 | J | 3.9k | 1/16W | Chip 1608 | AC |
| R3016 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3017 | 95J0052332 | J | 270 | 1/16W | Chip 1608 | AC |
| R3018 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3019 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3020 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3021 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3022 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3023 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3024 | 95J0052465 | J | 820 | 1/16W | Chip 1608 | AC |
| R3025 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3026 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3027 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3028 | 95J0052431 | J | 680 | 1/16W | Chip 1608 | AC |
| R3029 | 95J0052431 | J | 680 | 1/16W | Chip 1608 | AC |
| R3030 | 95J0052969 | J | 1M | 1/16W | Chip 1608 | AC |
| R3031 | 95J0052969 | J | 1M | 1/16W | Chip 1608 | AC |
| R3032 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3033 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3034 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3035 | 95J0052795 | J | 27k | 1/16W | Chip 1608 | AC |
| R3036 | 95J0052845 | J | 56k | 1/16W | Chip 1608 | AC |
| R3037 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3038 | 95J0052795 | J | 27k | 1/16W | Chip 1608 | AC |
| R3039 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3040 | 95J0052795 | J | 27k | 1/16W | Chip 1608 | AC |
| R3041 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3042 | 95J0052886 | J | 100k | 1/16W | Chip 1608 | AC |
| R3043 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3044 | 95J0052886 | J | 100k | 1/16W | Chip 1608 | AC |
| R3046 | 95J0052712 | J | 10k | 1/16W | Chip 1608 | AC |
| R3047 | 95J0052712 | J | 10k | 1/16W | Chip 1608 | AC |
| R3048 | 95J0052498 | J | 1.2k | 1/16W | Chip 1608 | AC |
| R3049 | 95J0052498 | J | 1.2k | 1/16W | Chip 1608 | AC |
| R3050 | 95J0052498 | J | 1.2k | 1/16W | Chip 1608 | AC |
| R3051 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3052 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3053 | 95J0236786 | J | 75 | 1/4W | Chip 3216 | AC |
| R3054 | 95J0052332 | J | 270 | 1/16W | Chip 1608 | AC |
| R3055 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3056 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3057 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3058 | 95J0052613 | J | 3.9k | 1/16W | Chip 1608 | AC |
| R3059 | 95J0052332 | J | 270 | 1/16W | Chip 1608 | AC |
| R3060 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3061 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3062 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3063 | 95J0052613 | J | 3.9k | 1/16W | Chip 1608 | AC |
| R3064 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3065 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3066 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3067 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3068 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3069 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3070 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3071 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3072 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3073 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3074 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3075 | 95J0052779 | J | 22k | 1/16W | Chip 1608 | AC |
| R3076 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3077 | 95J0052555 | J | 2.2k | 1/16W | Chip 1608 | AC |
| R3078 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3079 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3083 | 95J0052654 | J | 5.6k | 1/16W | Chip 1608 | AC |
| R3085 | 95J0052993 | J | 10 | 1/16W | Chip 1608 | AC |
| R3087 | 95J0052993 | J | 10 | 1/16W | Chip 1608 | AC |
| R3088 | 95J0052993 | J | 10 | 1/16W | Chip 1608 | AC |
| R3090 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3091 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3092 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3093 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3094 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3095 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3096 | 95J0052175 | J | 0 | 1/16W | Chip 1608 | AC |
| R3099 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3100 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3102 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3103 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3104 | 95J0054270 | J | 100 | 1/10W | Chip 2125 | AC |
| R3105 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3106 | 95J0054270 | J | 100 | 1/10W | Chip 2125 | AC |
| R3107 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3108 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3109 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3110 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3111 | 95J0052753 | J | 18k | 1/16W | Chip 1608 | AC |
| R3112 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3113 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R3114 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R3115 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R3116 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

## CTANZ0705CE01
### PC TERMINAL UNIT (Continued)

| | | | | | | |
|---|---|---|---|---|---|---|
| R3117 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3118 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3119 | 95J0052829 | J | 47k | 1/16W | Chip 1608 | AC |
| R3120 | 95J0052712 | J | 10k | 1/16W | Chip 1608 | AC |
| R3121 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3123 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3124 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3125 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3126 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3127 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3128 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3129 | 95J0052258 | J | 100 | 1/16W | Chip 1608 | AC |
| R3130 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3131 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |
| R3132 | 95J0052472 | J | 1k | 1/16W | Chip 1608 | AC |

### SWITCH

| | | | | |
|---|---|---|---|---|
| S3001 | 95J0236646 | J | Filter Switch SSSF042-P06N0 | |

### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| SC3001 | 95J0225706 | J | Socket 30-Pin (TN) | AN |
| J3001 | 95J0236695 | J | Computer RGB Input Connector (HD-15) | AU |
| J3002 | 95J0236695 | J | Computer RGB Output Connector (HD-15) | AU |
| J3003 | 95J0236687 | J | Audio Output Terminal (RCA) | AM |
| J3004 | 95J0236661 | J | PC Control Connector (D-sub 9-Pin) | AS |
| J3005 | 95J0236653 | J | Mouse Terminal (D-sub 9-Pin) | AS |
| J3006 | 95J0236679 | J | Mouse Terminal (9-Pin mini DIN) | AN |
| J3008 | 95J196316A | J | Computer RGB Input 2: BNC (R, G, B, H-SYNC, V-SYNC) | AW |
| FB3001 | 95J0232868 | J | Ferrite Bead | AE |
| FB3002 | 95J0232868 | J | Ferrite Bead | AE |
| FB3004 | 95J0232868 | J | Ferrite Bead | AE |
| FB3005 | 95J0232868 | J | Ferrite Bead | AE |
| FB3007 | 95J0232868 | J | Ferrite Bead | AE |
| FB3008 | 95J0232868 | J | Ferrite Bead | AE |
| FB3009 | 95J0232868 | J | Ferrite Bead | AE |
| FB3010 | 95J0232868 | J | Ferrite Bead | AE |
| FB3011 | 95J0232868 | J | Ferrite Bead | AE |
| FB3012 | 95J0232868 | J | Ferrite Bead | AE |
| FB3013 | 95J0232868 | J | Ferrite Bead | AE |
| FB3014 | 95J0232868 | J | Ferrite Bead | AE |
| FB3017 | 95J0232868 | J | Ferrite Bead | AE |
| FB3018 | 95J0232868 | J | Ferrite Bead | AE |
| FB3019 | 95J0232868 | J | Ferrite Bead | AE |
| FB3020 | 95J0232868 | J | Ferrite Bead | AE |
| FB3021 | 95J0232868 | J | Ferrite Bead | AE |
| FB3022 | 95J0232868 | J | Ferrite Bead | AE |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

## CDENC0252CE01
### POWER/BALLAST UNIT

### INTEGRATED CIRCUITS

| | | | | |
|---|---|---|---|---|
| IC101 | 95KUCZ0091ZZ | J | M5T494P | AK |
| IC102 | 95KUCC0015AZ | J | M5239L | AF |
| IC701 | 95KUCC0018AK | J | UPC1093J | AF |
| IC702 | 95KUCB0077AZ | J | PQ30RV11 | AH |
| IC703 | 95KUCC0015AZ | J | M5239L | AF |
| IC704 | 95KUCB0095CZ | J | PQ12RF11 | AH |
| IC705 | 95KUCB0077AZ | J | PQ30RV11 | AH |

### TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q102 | 95KUAY0046AK | J | 2SB736 (Chip) | AC |
| Q103 | 95KUAY0012AK | J | 2SA812 (Chip) | AB |
| Q104 | 95KUAY0013AK | J | 2SC1623 (Chip) | AB |
| Q105 | 95KUAY0012AK | J | 2SA812 (Chip) | AB |
| Q106 | 95KUAY0013AK | J | 2SC1623 (Chip) | AB |
| Q107 | 95KUAY0013AK | J | 2SC1623 (Chip) | AB |
| Q108 | 95KUAY0013AK | J | 2SC1623 (Chip) | AB |
| Q701 | 95KUAG0161CZ | J | PS5KM-18A | AM |
| Q702 | 95KUAC0056BK | J | 2SC2002L | AD |
| Q703 | 95KUAC0152DK | J | 2SC2785HF | AC |
| Q704 | 95KUAC0152DK | J | 2SC2785HF | AC |
| Q707 | 95KUAC0027CK | J | 2SC2655 | AD |
| Q1701 | 95KUAG0099AZ | J | FET 2SK1938 | AV |
| Q1702 | 95KUAG0099AZ | J | FET 2SK1938 | AV |
| Q1703 | 95KUAA0083AK | J | 2SA1680 | AE |
| Q1704 | 95KUAA0083AK | J | 2SA1680 | AE |
| Q1705 | 95KUAC0270BZ | J | 2SC3623 | AD |
| Q1706 | 95KUAC0234AZ | J | 2SC3866 | AH |
| Q1707 | 95KUAB0010CZ | J | 2SB744 | AF |
| Q1708 | 95KUAC0214AK | J | 2SC4408 | AD |

### DIODES

| | | | | | |
|---|---|---|---|---|---|
| D101 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D102 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D103 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D104 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D105 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D106 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| ⚠ D701 | 95KUBB0206EZ | J | Diode Stack D10XB60H | AN |
| D702 | 95KUBC0248AK | J | Diode 05NU42 | AC |
| D703 | 95KUBC0248AK | J | Diode 05NU42 | AC |
| D704 | 95KUBC0125AK | J | Diode ERA15-01 | AB |
| D705 | 95KUBDAK270C | J | Zener Diode RD27ESAB | AB |
| D706 | 95KUBC0125DK | J | Diode ERA15-06 | AB |
| D707 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D708 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D709 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D710 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D711 | 95KUBDAK330C | J | Zener Diode RD33ESAB2 | AB |
| D712 | 95KUBDAK270B | J | Zener Diode RD27ESAB1 | AC |
| D713 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D714 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D715 | 95KUBC0264BE | J | Diode ERB32-02 | AD |

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## POWER/BALLAST UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D716 | 95KUBB0208SZ | J | Diode Stack YG902C2R | AH |
| D717 | 95KUBC0242DZ | J | Diode F10P06Q | AM |
| D718 | 95KUBC0102BL | J | Diode ERB84-009 (2A/90V) | |
| D719 | 95KUBC0242DZ | J | Diode F10P06Q | AM |
| D720 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D721 | 95KUBB0208SZ | J | Diode Stack YG902C2R | AK |
| D722 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D723 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D724 | 95KUBY0020AK | J | Diode (Chip) 1SS355 | AC |
| D726 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D1701 | 95KUBC0221AK | J | Diode ERA18-02 | AC |
| D1702 | 95KUBC0221AK | J | Diode ERA18-02 | AC |
| D1703 | 95KUBC0190BK | J | Diode ERC38-05 | AG |
| D1704 | 95KUBC0125DK | J | Diode ERA15-06 | AB |
| D1705 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D1706 | 95KUBC0248AK | J | Diode 05NU42 | AC |
| D1707 | 95KUBC0318AK | J | Diode 1R5NH41 | AF |
| D1708 | 95KUBC0323AK | J | Diode 05NH45 | AE |
| D1709 | 95KUBA0005KZ | J | Diode 1SS55 | AB |
| D1710 | 95KUBC0221AK | J | Diode ERA18-02 | AC |
| D1711 | 95KUBC0284BZ | J | Diode YG912S6 | AP |
| DS1701 | 95KUBB0229AZ | J | Diode Stack PA905C6 | AS |
| ZD103 | 95KUBDAK6R2C | J | Zener Diode RD6.2ESAB | AB |
| ZD104 | 95KUBDAK6R2C | J | Zener Diode RD6.2ESAB | AB |
| ZD105 | 95KUBDAK6R2C | J | Zener Diode RD6.2ESAB | AB |
| ZD1701 | 95KUBDAE120D | J | Zener Diode RD12FB | AE |
| ZD1702 | 95KUBDAE120D | J | Zener Diode RD12FB | AE |
| ZD1703 | 95KUBDAK300C | J | Zener Diode RD30ESAB | AB |
| ZD1704 | 95KUBDAK100C | J | Zener Diode RD10ESAB | AB |
| ZD1705 | 95KUBDAK180C | J | Zener Diode RD18ESAB | AB |
| ZD1706 | 95KUBDAK180C | J | Zener Diode RD18ESAB | AB |
| ZD1707 | 95KUBDAK2R0C | J | Zener Diode RD2.0ESAB | |
| ZD1708 | 95KUBDCK300C | J | Zener Diode RD30FB | |
| THY101 | 95KUDA0078AK | J | Thyristor CR02AM-8 | AF |
| THY701 | 95KUDA0084ZZ | J | Thyristor CR04AM-12 | AG |
| THY1701 | 95KUDA0083ZZ | J | Thyristor SF8JZ47 | AM |
| THY1702 | 95KUDA0083ZZ | J | Thyristor SF8JZ47 | AM |

### PACKAGED CIRCUITS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| ⚠ PC701 | 95KUDC0163EZ | J | Photo Coupler PC123 | AH |
| ⚠ PC1701 | 95KUDC0163EZ | J | Photo Coupler PC123 | AH |
| ⚠ PC1702 | 95KUDC0163EZ | J | Photo Coupler PC123 | AH |

### COIL AND TRANSFORMERS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| L704 | 95KUKZ0714ZK | J | Coil LHL08TB8R2M 8.2µH | AE |
| L705 | 95KUKZ0505ZK | J | Coil 2.2µH | AF |
| L707 | 95KUKZ0432ZZ | J | Coil LHL08TB220K | AE |
| L709 | 95KUZZ0156ZZ | J | Coil RS208 | AH |
| L1701 | 95K830295025 | J | Trans.CHT072 | BB |
| ⚠ T701 | 95K130295034 | J | Trans.PTTN93 | BC |
| T1701 | 95K829195004 | J | Trans.DTTX03 | BB |
| ⚠ T1702 | 95K748295013 | J | Trans.J6B21-9001 | BQ |

### CONTROLS

| Ref. No. | Part No. | ★ | | Description | Code |
|---|---|---|---|---|---|
| R735 | 95KUFBA472DB | J | 4.7k | Output Adj. | AB |
| VR1701 | 95KUFBA103DB | J | 10k | Power Adj. (Rough) | AC |
| VR1702 | 95KUFBA102DB | J | 1k | Power Adj. (Fine) | AB |

### CAPACITORS

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| C101 | 95KUGXAED104 | J | 0.1 | 25V | Ceramic (Chip) | AB |
| C102 | 95KUGXAFC105 | J | 1 | 16V | Ceramic (Chip) | AD |
| C103 | 95KUGXAFF104 | J | 0.1 | 50V | Ceramic (Chip) | AB |
| C104 | 95KUGXALF102 | J | 1000p | 50V | Ceramic (Chip) | AC |
| C105 | 95KUGXAED104 | J | 0.1 | 25V | Ceramic (Chip) | AB |
| C106 | 95KUGXAEF103 | J | 0.01 | 50V | Ceramic (Chip) | AB |
| C107 | 95KUGXAFC105 | J | 1 | 16V | Ceramic (Chip) | AD |
| C108 | 95KUGAE100KL | J | 10 | 35V | Electrolytic | AE |
| C109 | 95KUGXAED104 | J | 0.1 | 25V | Ceramic (Chip) | AB |
| ⚠ C707 | 95KUGCZ222CX | J | 2200p | 2kV | Ceramic | |
| ⚠ C708 | 95KUGCZ222CX | J | 2200p | 2kV | Ceramic | |
| C709 | 95KUGBM152DE | J | 1500 | 250V | Electrolytic | AY |
| C710 | 95KUGBM152DE | J | 1500 | 250V | Electrolytic | AY |
| C711 | 95KUGXFXT103 | J | 0.01 | 630V | Chip | |
| C714 | 95KUGCU222BR | J | 2200p | 1kV | Ceramic | AE |
| C715 | 95KUGFF223BQ | J | 0.022 | 50V | Film | AB |
| C716 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C717 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C718 | 95KUGXAEF102 | J | 1000p | 50V | Ceramic (Chip) | AA |
| C719 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C720 | 95KUGFF473BQ | J | 0.047 | 50V | Film | AB |
| C721 | 95KUGAF010RV | J | 1 | 50V | Electrolytic | AC |
| C722 | 95KUGAE181TR | J | 180 | 35V | Electrolytic | AD |
| ⚠ C723 | 95KUGCZ222CX | J | 2200p | 2kV | Ceramic | |
| ⚠ C724 | 95KUGCZ222CX | J | 2200p | 2kV | Ceramic | |
| C725 | 95KUGCS331AA | J | 330p | 500V | Ceramic | AC |
| C726 | 95KUGAD152TS | J | 1500 | 25V | Electrolytic | AG |
| C727 | 95KUGAD101RV | J | 100 | 25V | Electrolytic | AD |
| C728 | 95KUGCS331AA | J | 330p | 500V | Ceramic | AC |
| C729 | 95KUGAB272TS | J | 2700 | 10V | Electrolytic | AG |
| C730 | 95KUGAB272TS | J | 2700 | 10V | Electrolytic | AG |
| C731 | 95KUGXAEF473 | J | 0.047 | 50V | Ceramic (Chip) | AB |
| C732 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C733 | 95KUGAB221RV | J | 220 | 10V | Electrolytic | AD |
| C734 | 95KUGCS331AA | J | 330p | 500V | Ceramic | AC |
| C735 | 95KUGAC471TT | J | 470 | 16V | Electrolytic | |
| C736 | 95KUGAC101RV | J | 100 | 16V | Electrolytic | AD |
| C737 | 95KUGCS331AA | J | 330p | 500V | Ceramic | AC |
| C738 | 95KUGAD152TS | J | 1500 | 25V | Electrolytic | AG |
| C739 | 95KUGAB221RV | J | 220 | 10V | Electrolytic | AD |
| C741 | 95KUGCS331AA | J | 330p | 500V | Ceramic | AC |
| C742 | 95KUGAD561TS | J | 560 | 25V | Electrolytic | AF |
| C743 | 95KUGAD102JF | J | 1000 | 25V | Electrolytic | AF |
| C744 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C745 | 95KUGXEWD104 | J | 0.1 | 50V | Ceramic (Chip) | AD |
| C746 | 95KUGAD101RX | J | 100 | 25V | Electrolytic | AD |
| C747 | 95KUGAB101RY | J | 100 | 10V | Electrolytic | AD |
| C748 | 95KUGCS102AA | J | 1000p | 500V | Ceramic | |
| C1701 | 95KUGFQ104FC | J | 0.1 | 400V | Film | AF |
| C1702 | 95KUGCU681AK | J | 680p | 1kV | Ceramic | AD |

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## POWER/BALLAST UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C1703 | 95KUGFQ225HA | J | 0.22 | 400V | Film | AK |
| C1704 | 95KUGCU102BV | J | 1000p | 1kV | Ceramic | AC |
| C1705 | 95KUGZ0995ZZ | J | 0.22 | 400V | Film | AH |
| C1706 | 95KUGZ0995ZZ | J | 0.22 | 400V | Film | AH |
| C1707 | 95KUGFL103HQ | J | 0.01 | 200V | Film | AD |
| C1708 | 95KUGAE101PB | J | 100 | 35V | Electrolytic | AD |
| C1709 | 95KUGAD470PB | J | 47 | 25V | Electrolytic | AD |
| C1710 | 95KUGAE101PB | J | 100 | 35V | Electrolytic | AD |
| C1711 | 95KUGAE560TR | J | 56 | 35V | Electrolytic | AD |
| C1745 | 95KUGFQ334FC | J | 0.33 | 400V | Film | AG |
| C1746 | 95KUGFQ334FG | J | 0.33 | 400V | Ceramic | AG |
| C1747 | 95KUGCU472BM | J | 4700p | 1kV | Ceramic | AC |

### RESISTORS

| | | | | | | |
|---|---|---|---|---|---|---|
| R102 | 95KUEEC102CH | J | 1k | 1/2W | Carbon | AB |
| R103 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R104 | 95KUEXCAS332 | J | 4.7k | 1/10W | Chip | AB |
| R105 | 95KUEXCAS393 | J | 39k | 1/10W | Chip | AB |
| R106 | 95KUEXCAS333 | J | 33k | 1/10W | Chip | AB |
| R107 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R108 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R109 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R110 | 95KUEXCAS272 | J | 2.7k | 1/10W | Chip | AB |
| R111 | 95KUEXCAS331 | J | 330 | 1/10W | Chip | AB |
| R112 | 95KUEXCAS105 | J | 1M | 1/10W | Chip | AB |
| R114 | 95KUEYAT2552 | J | 20k | 1/10W | Chip | AB |
| R118 | 95KUEXCAS272 | J | 2.7k | 1/10W | Chip | AB |
| R119 | 95KUEXCAU221 | J | 220 | 1/10W | Chip | AB |
| R120 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R121 | 95KUEEB472DC | J | 4.7k | 1/4W | Carbon | AB |
| R122 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R123 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R124 | 95KUEEB222DC | J | 2.2k | 1/4W | Carbon | AB |
| R128 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R129 | 95KUEXCAS222 | J | 2.2k | 1/10W | Chip | AB |
| R130 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R131 | 95KUEEB103DC | J | 10k | 1/4W | Carbon | AB |
| R132 | 95KUEXCAS472 | J | 4.7k | 1/10W | Chip | AB |
| R133 | 95KUEXCAS472 | J | 4.7k | 1/10W | Chip | AB |
| R134 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R135 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R136 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R137 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R138 | 95KUEXCAS223 | J | 22k | 1/10W | Chip | AB |
| R139 | 95KUEXCAS472 | J | 4.7k | 1/10W | Chip | AB |
| R140 | 95KUEXCAU682 | J | 6.8k | 1/10W | Chip | AB |
| R141 | 95KUEXCAU471 | J | 470 | 1/10W | Chip | AB |
| R142 | 95KUEEB103DC | J | 10k | 1/4W | Carbon | AB |
| R143 | 95KUEEB103DC | J | 10k | 1/4W | Carbon | AB |
| R144 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R703 | 95KUEZ0259ZZ | J | Thermistor | 3D-22 | | AP |
| R706 | 95KUEEC224CH | J | 220k | 1/2W | Carbon | AB |
| R707 | 95KUEEC224CH | J | 220k | 1/2W | Carbon | AB |
| R708 | 95KUEFD273CF | J | 27k | 1W | Metal Film | AC |
| R709 | 95KUEFD273CF | J | 27k | 1W | Metal Film | AC |
| R710 | 95KUEFD273CF | J | 27k | 1W | Metal Film | AC |
| R711 | 95KUEFD104BU | J | 100k | 1W | Metal Film | AC |
| R712 | 95KUEFD104BU | J | 100k | 1W | Metal Film | AC |
| R713 | 95KUEFF154BU | J | 150k | 3W | Metal Film | |
| R715 | 95KUEFDR33DB | J | 0.33 | 1W | Metal Film | AC |
| R716 | 95KUEXDAK183 | J | 18k | 1/8W | Chip | AB |
| R717 | 95KUEEB471DC | J | 470 | 1/4W | Carbon | AB |
| R718 | 95KUEXDAK104 | J | 100k | 1/8W | Chip | AB |
| R719 | 95KUEEB181DC | J | 180 | 1/4W | Carbon | AB |
| R720 | 95KUES3901CS | J | 3.9k | 1/4W | Precision Res | AB |
| R721 | 95KUEXCAS103 | J | 10k | 1/4W | Chip | AB |
| R722 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R723 | 95KUEEB103DC | J | 10k | 1/4W | Carbon | AB |
| R724 | 95KUEEB331DC | J | 330 | 1/4W | Carbon | AB |
| R725 | 95KUEEB101DC | J | 100 | 1/4W | Carbon | AB |
| R726 | 95KUEBC470AG | J | 47 | 1/2W | Fuse Resistor | |
| R727 | 95KUEBD1R0AF | J | 1 | 1W | Fuse Resistor | AE |
| R728 | 95KUEEC122CH | J | 1.2k | 1/2W | Carbon | AB |
| R729 | 95KUEEB473DC | J | 47k | 1/4W | Carbon | AB |
| R730 | 95KUEEC102CH | J | 1k | 1/2W | Carbon | AB |
| R731 | 95KUEXDAK221 | J | 220 | 1/8W | Chip | AB |
| R732 | 95KUEXDAK221 | J | 220 | 1/8W | Chip | AB |
| R733 | 95KUEXCAS472 | J | 4.7k | 1/10W | Chip | AB |
| R734 | 95KUEXCAS122 | J | 1.2k | 1/10W | Chip | AB |
| R736 | 95KUEXCAS222 | J | 2.2k | 1/10W | Chip | AB |
| R737 | 95KUEBB1R0AN | J | 1 | 1/4W | Fuse Resistor | |
| R738 | 95KUEEC561CH | J | 560 | 1/2W | Carbon | AB |
| R739 | 95KUEYAQ4701 | J | 4.7k | 1/10W | Precision Res | AC |
| R740 | 95KUEYAQ1501 | J | 1.5k | 1/10W | Precision Res | AC |
| R741 | 95KUEEC222CH | J | 2.2k | 1/2W | Carbon | AB |
| R742 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R743 | 95KUEEC122CH | J | 1.2k | 1/2W | Carbon | AB |
| R745 | 95KUEFER47CW | J | 0.47 | 1W | Metal Film | AC |
| R746 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R748 | 95KUEEC152CH | J | 1.5k | 1/2W | Carbon | AB |
| R749 | 95KUEXCAS392 | J | 3.9k | 1/10W | Chip | AB |
| R750 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R752 | 95KUEXCAS223 | J | 22k | 1/10W | Chip | AB |
| R753 | 95KUEZ0486ZZ | J | Thermistor | | | AH |
| R754 | 95KUEXCAS471 | J | 470 | 1/10W | Chip | AB |
| R755 | 95KUEXCAS822 | J | 8.2k | 1/10W | Chip | AB |
| R756 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R757 | 95KUEXCAS273 | J | 27k | 1/10W | Chip | AC |
| R758 | 95KUEXCAS123 | J | 12k | 1/10W | Chip | AB |
| R759 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R760 | 95KUEAE8R2AD | J | 8.2 | 2W | Fuse Resistor | AF |
| R761 | 95KUEXCAS102 | J | 1k | 1/10W | Chip | AB |
| R762 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R763 | 95KUEXCAS103 | J | 10k | 1/10W | Chip | AB |
| R764 | 95KUEYAQ3901 | J | 3.9k | 1/10W | Precision Res | AC |
| R765 | 95KUEYAQ1501 | J | 1.5k | 1/10W | Precision Res | AC |
| R1701 | 95KUES1001CS | J | 1k | 1/4W | Precision Res | |
| R1702 | 95KUES1001CS | J | 1k | 1/4W | Precision Res | |
| R1703 | 95KUEFD220BH | J | 22 | 1W | Metal Film | AB |

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## POWER/BALLAST UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| R1704 | 95KUEEB102DC | J | 1k | 1/4W | Carbon | AC |
| R1705 | 95KUEEB102DC | J | 1k | 1/4W | Carbon | AC |
| R1706 | 95KUEFD220BH | J | 22 | 1W | Metal Film | AB |
| R1707 | 95KUEGER10AS | J | 0.1 | 2W | Cement | AD |
| R1708 | 95KUEGER10AS | J | 0.1 | 2W | Cement | AD |
| R1709 | 95KUEGER10AS | J | 0.1 | 2W | Cement | AD |
| R1710 | 95KUEFE223CA | J | 22k | 2W | Metal Film | AD |
| R1711 | 95KUEFE223CA | J | 22k | 2W | Metal Film | AD |
| R1712 | 95KUEFE183CA | J | 18k | 2W | Metal Film | AD |
| R1713 | 95KUEFE183CA | J | 18k | 2W | Metal Film | AD |
| R1714 | 95KUES6803CQ | J | 680k | 1/2W | Precision Res | AD |
| R1715 | 95KUES2703CQ | J | 270k | 1/2W | Precision Res | AD |
| R1716 | 95KUES4702CQ | J | 47k | 1/2W | Precision Res | AC |
| R1717 | 95KUEEB331DC | J | 330 | 1/4W | Carbon | AB |
| R1718 | 95KUEEB333DC | J | 33k | 1/4W | Carbon | AB |
| R1719 | 95KUEEB102DC | J | 1k | 1/4W | Carbon | AC |
| R1720 | 95KUEEB102DC | J | 1k | 1/4W | Carbon | AC |
| R1721 | 95KUEEB271DC | J | 270 | 1/4W | Carbon | AB |
| R1722 | 95KUEEC332CH | J | 3.3k | 1/2W | Carbon | AB |
| R1723 | 95KUEFD333BH | J | 33k | 1W | Metal Film | AC |
| R1724 | 95KUEEB103DC | J | 10k | 1/4W | Carbon | AB |
| R1725 | 95KUEEB820DC | J | 82 | 1/4W | Carbon | AB |
| R1726 | 95KUEEB102DC | J | 1k | 1/4W | Carbon | AC |
| R1727 | 95KUEEB562DC | J | 5.6k | 1/4W | Carbon | AB |
| R1728 | 95KUEEC473CH | J | 47k | 1/2W | Carbon | AB |
| R1729 | 95KUEEC473CH | J | 47k | 1/2W | Carbon | AB |
| R1730 | 95KUEEC223CH | J | 22k | 1/2W | Carbon | AB |
| R1731 | 95KUEEC183CH | J | 18k | 1/2W | Carbon | AB |
| R1732 | 95KUEEC273CH | J | 27k | 1/2W | Carbon | AB |
| R1733 | 95KUEEC183CH | J | 18k | 1/2W | Carbon | AB |
| R1734 | 95KUEBB2R2AY | J | 1 | 1/4W | Fuse Resistor | AD |
| R1735 | 95KUEEB471DC | J | 470 | 1/4W | Carbon | |

### MISCELLANEOUS PARTS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| ⚠ ICP701 | 95KPJCTR5001 | J | Fuse 5A 125V | AF |
| ⚠ ICP702 | 95KPJCTR5001 | J | Fuse 5A 125V | AF |
| ⚠ ICP703 | 95KPJCTR5001 | J | Fuse 5A 125V | AF |
| F1701 | 95KPJT0160ZZ | J | Fuse P130A | AF |
| FB701 | 95KUKY0014AZ | J | Ferrite Bead (Chip) | AD |
| FB1701 | 95KUKZ0334ZZ | J | Ferrite Bead | AB |
| FB1702 | 95KUKZ0828ZZ | J | Ferrite Bead | AC |
| FB1703 | 95KUKZ0828ZZ | J | Ferrite Bead | AC |
| FB1704 | 95KUKZ0334ZZ | J | Ferrite Bead | AB |
| FB1705 | 95KUKZ0828ZZ | J | Ferrite Bead | AC |
| FB1706 | 95KUKZ0828ZZ | J | Ferrite Bead | AC |
| FB1709 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1710 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1711 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1712 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1713 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1714 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1716 | 95KBFZ89250Z | J | Ferrite Bead | AB |
| FB1717 | 95KBFZ89250Z | J | Ferrite Bead | AB |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| FH1 | 95KPZZ0668ZZ | J | Fuse Holder | AB |
| ⚠ RY701 | 95KPHZ0132ZZ | J | Relay G5PE-1 (DC12V) | AN |
| CN101A | 95KPKZ2526ZZ | J | Connector 7-pin | AD |
| CN101B | 95KPEZ0047ZZ | J | Connector 7-pin | AD |
| CN102A | 95KPKZ2526ZZ | J | Connector 7-pin | AD |
| CN102B | 95KPEZ0047ZZ | J | Connector 7-pin | AD |
| CN701 | 95KECB7761ZZ | J | Base Pin | AU |
| CN702 | QCNW-4764CEZZ | J | Connecting Wire | AK |
| CN703 | QCNW-4708CEZZ | J | Connecting Wire | AN |
| CN704 | QCNW-4786CEZZ | J | Connecting Wire | AF |
| MT1 | 95KLRZ5820ZR | J | Heat Sink | AF |
| MT2 | 95KLRZ6385ZR | J | Heat Sink | AF |
| MT3 | 95KLRZ6460ZP | J | Heat Sink | AK |
| MT4 | 95KLRZ6324ZP | J | Heat Sink | AE |
| MT5 | 95KLRZ6338ZP | J | Heat Sink | AR |
| MT6 | LANGQ1322CEFW | J | Angle | AH |
| MT7 | LANGH0138CEFW | J | Angle | AD |
| MT8 | 95KLRH5078ZN | J | Heat Sink | AG |
| MT9 | 95KLRZ6342ZR | J | Heat Sink | AH |
| MT10 | 95KLRZ6384ZR | J | Heat Sink | |
| MD1 | 95KZBA0263ZZ | J | Holder | |
| MD2 | PDUC-0067CEKZ | J | Duct | |
| FA1 | 95KZBA0265ZZ | J | Fan | |

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## PC I/F UNIT

### INTEGRATED CIRCUITS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| IC1 | 9DK001-10051 | J | HA64F3334F | BL |
| IC2 | 9DK001-15035 | J | PST600CMT | AM |
| IC3 | 9DK001-11014 | J | M24C64-WMN6 | AZ |
| IC4 | 9DK001-15052 | J | M52722SP | AX |
| IC5 | 9DK001-15027 | J | NJM3403V | AQ |
| IC9 | 9DK001-15048 | J | CXA3026Q | BR |
| IC10 | 9DK001-15048 | J | CXA3026Q | BR |
| IC11 | 9DK001-15048 | J | CXA3026Q | BR |
| IC12 | 9DK001-15051 | J | M62352FP | AS |
| IC13 | 9DK001-15053 | J | TL431CPS | AL |
| IC14 | 9DK001-15027 | J | NJM3403V | AQ |
| IC15 | 9DK001-15028 | J | ICS1522M | BS |
| IC20 | RH-iX3083CEZZ | J | I.C. | CQ |
| IC25 | RH-iX3082CEZZ | J | I.C. | BR |
| IC26 | 9DK001-15054 | J | TLC2933PW | AX |
| IC29 | 9DK001-15027 | J | NJM3403V | AQ |
| IC30 | 9DK001-15050 | J | MB40950PFQ | BF |
| IC31 | 9DK001-15050 | J | MB40950PFQ | BF |
| IC32 | 9DK001-15050 | J | MB40950PFQ | BF |
| IC36 | RH-iX3110CEZZ | J | I.C. | AX |
| IC37 | RH-iX2962CEZZ | J | I.C. | BA |
| IC40 | 9DK001-15038 | J | PQ05TZ11 | AR |
| IC41 | 9DK001-15046 | J | PQ12TZ51 | AR |
| IC42 | 9DK001-15038 | J | PQ05TZ11 | AR |
| IC43 | 9DK001-15038 | J | PQ05TZ11 | AR |
| IC44 | 9DK001-15045 | J | NJU7211U20 | AM |
| IC46 | 9DK001-15047 | J | PQ3RF23 | AT |
| IC54 | 9DK001-15050 | J | MC74F08M | BF |

### TRANSISTORS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| Q1 | 9Dk001-20010 | J | 2SC2859O | AF |
| Q4 | 9Dk001-20010 | J | 2SC2859O | AF |
| Q8 | 9DK001-20009 | J | 2SA1162GR | AF |
| Q9 | 9DK001-20010 | J | 2SC2859O | AF |
| Q10 | 9DK001-20010 | J | 2SC2859O | AF |
| Q11 | 9DK001-20010 | J | 2SC2859O | AF |
| Q12 | 9DK001-20010 | J | 2SC2859O | AF |
| Q13 | 9DK001-20009 | J | 2SA1162GR | AF |
| Q14 | 9DK001-20021 | J | 2SA1245 | AM |
| Q15 | 9DK001-20021 | J | 2SA1245 | AM |
| Q16 | 9DK001-20021 | J | 2SA1245 | AM |
| Q17 | 9DK001-20021 | J | 2SA1245 | AM |
| Q18 | 9DK001-20021 | J | 2SA1245 | AM |
| Q19 | 9DK001-20021 | J | 2SA1245 | AM |
| Q20 | 9DK001-20021 | J | 2SA1245 | AM |
| Q21 | 9DK001-20021 | J | 2SA1245 | AM |
| Q22 | 9DK001-20021 | J | 2SA1245 | AM |
| Q23 | 9DK001-20021 | J | 2SA1245 | AM |
| Q24 | 9DK001-20021 | J | 2SA1245 | AM |
| Q25 | 9DK001-20021 | J | 2SA1245 | AM |

### DIODES

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| D1 | 9DK001-30007 | J | Diode 1SS319 | AH |
| D8 | 9DK001-30008 | J | Zener Diode 02CZ47 | AE |
| D9 | 9DK001-30008 | J | Zener Diode 02CZ47 | AE |
| D10 | 9DK001-30008 | J | Zener Diode 02CZ47 | AE |

### PACKAGED CIRCUIT

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| X2 | 9DK001-80010 | J | Crystal, 10MHz | |

### COILS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| FL1 | 9DK001-82012 | J | Filter, NFM61R10T102 | AK |
| FL3 | 9DK001-82012 | J | Filter, NFM61R10T102 | AK |

### CAPACITORS

| Ref. No. | Part No. | ★ | | | | Code |
|---|---|---|---|---|---|---|
| C1 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C2 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C3 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C4 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C5 | 9DK001-42068 | J | 0.01 | 50V | Ceramic | AC |
| C6 | 9DK001-42070 | J | 1 | 16V | Ceramic | AD |
| C7 | 9DK001-42068 | J | 0.01 | 50V | Ceramic | AC |
| C8 | 9DK001-42070 | J | 1 | 16V | Ceramic | AD |
| C9 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C11 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C12 | 9DK001-40052 | J | 47 | 16V | Electrolytic | AV |
| C13 | 9DK001-40052 | J | 47 | 16V | Electrolytic | AV |
| C14 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C15 | 9DK001-42068 | J | 0.01 | 50V | Ceramic | AC |
| C16 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C17 | 9DK001-42068 | J | 0.01 | 50V | Ceramic | AC |
| C18 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C19 | 9DK001-42068 | J | 0.01 | 50V | Ceramic | AC |
| C20 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C21 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C22 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C23 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C24 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C25 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C26 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C27 | 9DK001-40066 | J | 2.2 | 35V | Electrolytic | AF |
| C28 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C29 | 9DK001-40066 | J | 2.2 | 35V | Electrolytic | AF |
| C30 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C31 | 9DK001-40066 | J | 2.2 | 35V | Electrolytic | AF |
| C32 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C33 | 9DK001-40052 | J | 47 | 16V | Electrolytic | AV |
| C38 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C39 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C40 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C41 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C42 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C43 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C44 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C45 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C46 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C47 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |

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## PC I/F UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | | | Code |
|---|---|---|---|---|---|---|
| C48 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C49 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C50 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C51 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C52 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C53 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C54 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C55 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C56 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C57 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C58 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C59 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C60 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C61 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C62 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C63 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C64 | 9DK001-40065 | J | 1 | 50V | Electrolytic | AF |
| C65 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C66 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C67 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C68 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C69 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C70 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C71 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C72 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C73 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C74 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C75 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C76 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C77 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C78 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C79 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C80 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C81 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C82 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C83 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C84 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C85 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C86 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C87 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C88 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C89 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C90 | 9DK001-42087 | J | 2200p | 50V | Ceramic | AC |
| C91 | 9DK001-42086 | J | 200p | 50V | Ceramic | AC |
| C92 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C93 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C94 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C95 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C96 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C97 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C98 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C100 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C101 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C102 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C103 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C104 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C105 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C106 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C107 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C108 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C109 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C110 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C111 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C112 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C113 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C114 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C115 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C130 | 9DK001-42085 | J | 30p | 50V | Ceramic | AC |
| C131 | 9DK001-42085 | J | 30p | 50V | Ceramic | AC |
| C132 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C133 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C134 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C135 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C136 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C137 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C138 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C139 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C140 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C141 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C142 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C143 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C144 | 9DK001-43017 | J | 0.1 | 35V | Tantalum | AF |
| C145 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C146 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C150 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C151 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C152 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C153 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C154 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C155 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C156 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C157 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C158 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C159 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C160 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C161 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C205 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C206 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C207 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C208 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C210 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C220 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C221 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C232 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C233 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C234 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C235 | 9DK001-40071 | J | 100 | 25V | Electrolytic | AG |
| C236 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C237 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |

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## PC I/F UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| C238 | 9DK001-42070 | J | 100 | 16V | Electrolytic | AD |
| C239 | 9DK001-42070 | J | 100 | 16V | Electrolytic | AD |
| C240 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C241 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C242 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C243 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C244 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C245 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C246 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C247 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C248 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C249 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C250 | 9DK001-40068 | J | 22 | 16V | Electrolytic | AG |
| C253 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C254 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C256 | 9DK001-40070 | J | 100 | 16V | Electrolytic | AH |
| C257 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C266 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C267 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C268 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C269 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C270 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C271 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C272 | 9DK001-42083 | J | 5p | 50V | Ceramic | AC |
| C273 | | J | 10p | | Ceramic | |
| C274 | | J | 0.1 | | Ceramic | |
| C275 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C276 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C277 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C278 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C279 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |
| C280 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C281 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C282 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C283 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C285 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C288 | 9DK001-42084 | J | 22p | 50V | Ceramic | AC |
| C289 | 9DK001-40069 | J | 100 | 6.3V | Electrolytic | AB |
| C290 | 9DK001-40069 | J | 100 | 6.3V | Electrolytic | AB |
| C291 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C292 | 9DK001-42069 | J | 0.1 | 25V | Ceramic | AB |
| C293 | 9DK001-42085 | J | 30p | 50V | Ceramic | AC |
| C295 | 9DK001-42085 | J | 30p | 50V | Ceramic | AC |
| C999 | 9DK001-40067 | J | 10 | 16V | Electrolytic | AF |

### RESISTORS

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| R1 | 9DK001-50098 | J | 22k | 1/10W | Chip | AB |
| R2 | 9DK001-50146 | J | 4.7k | 1/10W | Chip | AB |
| R3 | 9DK001-50146 | J | 4.7k | 1/10W | Chip | AB |
| R4 | 9DK001-50146 | J | 4.7k | 1/10W | Chip | AB |
| R5 | 9DK001-50146 | J | 4.7k | 1/10W | Chip | AB |
| R6 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R7 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R8 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R9 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R10 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R11 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R12 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R13 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R14 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R15 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R17 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R18 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R20 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R21 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R22 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R23 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R24 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R25 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R26 | 9DK001-51030 | J | 10k | 1/16W | Resistor Array | AD |
| R27 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R28 | 9DK001-50141 | J | 22 | 1/10W | Chip | AB |
| R29 | 9DK001-50141 | J | 22 | 1/10W | Chip | AB |
| R30 | 9DK001-50141 | J | 22 | 1/10W | Chip | AB |
| R31 | 9DK001-50104 | J | 330 | 1/10W | Chip | AB |
| R32 | 9DK001-50104 | J | 330 | 1/10W | Chip | AB |
| R33 | 9DK001-50104 | J | 330 | 1/10W | Chip | AB |
| R40 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R41 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R42 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R43 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R44 | 9DK001-50139 | J | 1.5k | 1/10W | Precision Res. | AC |
| R45 | 9DK001-50140 | J | 3.3k | 1/10W | Precision Res. | AC |
| R46 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R47 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R48 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R49 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R50 | 9DK001-50091 | J | 2.2k | 1/10W | Chip | AB |
| R51 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R52 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R53 | 9DK001-50048 | J | 3.3k | 1/10W | Chip | AB |
| R54 | 9DK001-50145 | J | 820 | 1/10W | Chip | AB |
| R55 | 9DK001-50145 | J | 820 | 1/10W | Chip | AB |
| R56 | 9DK001-50145 | J | 820 | 1/10W | Chip | AB |
| R60 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R61 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R62 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R63 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R64 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R65 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R66 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R67 | 9DK001-50091 | J | 2.2k | 1/10W | Chip | AB |
| R68 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R69 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R70 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R71 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R72 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R73 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R74 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |

# CPCi-0023CE01
## PC I/F UNIT (Continued)

| Ref. No. | Part No. | ★ | | | Description | Code |
|---|---|---|---|---|---|---|
| R75 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R76 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R77 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R78 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R79 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R80 | 9DK001-50142 | J | 47 | 1/10W | Chip | AB |
| R81 | 9DK001-50142 | J | 47 | 1/10W | Chip | AB |
| R82 | 9DK001-50142 | J | 47 | 1/10W | Chip | AB |
| R83 | 9DK001-50148 | J | 130k | 1/10W | Chip | AB |
| R84 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R85 | 9DK001-50125 | J | 430 | 1/10W | Chip | AB |
| R86 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R87 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R88 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R89 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R90 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R91 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R92 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R93 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R94 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R95 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R96 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R97 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R98 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R99 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R100 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R104 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R105 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R106 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R107 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R108 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R109 | 9DK001-51029 | J | 10 | 1/16W | Resistor Array | AD |
| R110 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R111 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R112 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R137 | 9DK001-50143 | J | 200 | 1/10W | Chip | AB |
| R138 | 9DK001-50068 | J | 1M | 1/10W | Chip | AB |
| R139 | 9DK001-50110 | J | 0 | 1/10W | Jumper | AB |
| R146 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R147 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R150 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R151 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R153 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R154 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R155 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R156 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R159 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R160 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R162 | 9DK001-50092 | J | 2.7k | 1/10W | Chip | AB |
| R163 | 9DK001-50103 | J | 270 | 1/10W | Chip | AB |
| R164 | 9DK001-50091 | J | 2.2k | 1/10W | Chip | AB |
| R165 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R167 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R168 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R169 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R171 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R172 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R194 | 9DK001-50110 | J | 0 | 1/10W | Jumper | AB |
| R196 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R197 | 9DK001-50130 | J | 6.2k | 1/10W | Chip | |
| R198 | 9DK001-50102 | J | 220 | 1/10W | Chip | AB |
| R199 | 9DK001-50030 | J | 390 | 1/10W | Chip | |
| R200 | 9DK001-50030 | J | 390 | 1/10W | Chip | |
| R201 | 9DK001-50030 | J | 390 | 1/10W | Chip | |
| R202 | 9DK001-50030 | J | 390 | 1/10W | Chip | |
| R203 | 9DK001-50030 | J | 390 | 1/10W | Chip | |
| R205 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R206 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R207 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R208 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R209 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R210 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R213 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R214 | 9DK001-50043 | J | 56 | 1/10W | Chip | AB |
| R215 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R216 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R217 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R218 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R219 | 9DK001-50062 | J | 1k | 1/10W | Chip | AB |
| R220 | 9DK001-50104 | J | 330 | 1/10W | Chip | AB |
| R221 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R222 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R223 | 9DK001-50104 | J | 330 | 1/10W | Chip | AB |
| R224 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R225 | 9DK001-50026 | J | 47k | 1/10W | Chip | AB |
| R229 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R240 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R242 | 9DK001-50147 | J | 5.6k | 1/10W | Chip | AB |
| R243 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R244 | 9DK001-50082 | J | 100 | 1/10W | Chip | AB |
| R245 | 9DK001-50110 | J | 0 | 1/10W | Chip | AB |
| R246 | 9DK001-50110 | J | 0 | 1/10W | Chip | AB |
| R247 | 9DK001-50110 | J | 0 | 1/10W | Chip | AB |
| R248 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R249 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R250 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R251 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R252 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R253 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R254 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R255 | 9DK001-50089 | J | 180 | 1/10W | Chip | AB |
| R256 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R257 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |
| R258 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R259 | 9DK001-50096 | J | 10k | 1/10W | Chip | AB |
| R262 | 9DK001-50143 | J | 200 | 1/10W | Chip | AB |
| R263 | 9DK001-50143 | J | 200 | 1/10W | Chip | AB |
| R264 | 9DK001-50044 | J | 68 | 1/10W | Chip | AB |
| R265 | 9DK001-50121 | J | 10 | 1/10W | Chip | AB |

## CPCi-0023CE01
### PC I/F UNIT (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| R266 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R267 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R268 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R269 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R270 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R271 | 9DK001-50043 | J | 56 1/10W Chip | AB |
| R272 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R273 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R275 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R276 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R277 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R278 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R279 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R280 | 9DK001-51029 | J | 10 1/16W Resistor Array | AD |
| R291 | 9DK001-50096 | J | 10k 1/10W Chip | AB |
| R292 | 9DK001-50121 | J | 10 1/10W Chip | AB |
| R293 | 9DK001-50121 | J | 10 1/10W Chip | AB |
| R294 | 9DK001-50121 | J | 10 1/10W Chip | AB |
| R295 | 9DK001-50096 | J | 10k 1/10W Chip | AB |
| R296 | 9DK001-50144 | J | 560 1/10W Chip | AB |
| R297 | 9DK001-50096 | J | 10k 1/10W Chip | AB |
| R298 | 9DK001-50096 | J | 10k 1/10W Chip | AB |
| R300 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R302 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R303 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R304 | 9DK001-50075 | J | 75 1/4W Chip | AB |
| R305 | 9DK001-50075 | J | 75 1/4W Chip | AB |
| R306 | 9DK001-50075 | J | 75 1/4W Chip | AB |
| R307 | 9DK001-50089 | J | 180 1/10W Chip | AB |
| R309 | 9DK001-50062 | J | 1k 1/10W Chip | AB |
| R310 | 9DK001-50062 | J | 1k 1/10W Chip | AB |
| R311 | 9DK001-50096 | J | 10k 1/10W Chip | AB |
| R312 | 9DK001-50107 | J | 12k 1/10W Chip | AB |
| R313 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R314 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R315 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R316 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R317 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R318 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R319 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R320 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R321 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R322 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R323 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R324 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R325 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R326 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R327 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R328 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R329 | 9DK001-50118 | J | 470 1/10W Chip | AB |
| R330 | 9DK001-50110 | J | 0 1/10W Jumper | AB |
| R331 | 9DK001-50121 | J | 10 1/10W Chip | AB |
| R332 | 9DK001-50121 | J | 10 1/10W Chip | AB |
| R333 | 9DK001-50120 | J | 82 1/10W Chip | AB |
| R334 | 9DK001-50121 | J | 10 1/10W Chip | AB |

#### MISCELLANEOUS PARTS

| | | | | |
|---|---|---|---|---|
| SC102 | 9DK001-60030 | J | Socket 60-Pin (TC2) | AT |
| SC103 | 9DK001-60030 | J | Socket 60-Pin (TC3) | AT |
| SC104 | 9DK001-60033 | J | Socket 3-Pin (CN5) | AG |
| SC105 | 9DK001-60033 | J | Socket 3-Pin (CN6) | AG |
| SC106 | 9DK001-60033 | J | Socket 3-Pin (CN7) | AG |
| P101 | 9DK001-60031 | J | Pin Header 14-Pin (TC1) | AM |
| P105 | 9DK001-60032 | J | Pin Header 8-Pin (FW) | AF |
| FB1 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB2 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB3 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB4 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB5 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB6 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB7 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB8 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB9 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB10 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB15 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB16 | 9DK001-81044 | J | Inductor BLM21B201S | |
| FB17 | 9DK001-81016 | J | Inductor BLM21A121S | AG |
| FB18 | 9DK001-81043 | J | Inductor BLM21B751S | |
| | 9DK001-90021 | | Shield Case | AY |
| | 9DK001-90020 | | Shield-Top | AS |
| | 9DK001-90022 | | Shield-Bottom | AS |



## CPCi-0027CE01
### PC I/F SUB 1 UNIT

#### TRANSISTORS

| | | | | |
|---|---|---|---|---|
| Q26 | 9DK001-20022 | J | 2SC2712Y | AD |
| Q27 | 9DK001-20022 | J | 2SC2712Y | AD |
| Q28 | 9DK001-20022 | J | 2SC2712Y | AD |
| Q29 | 9DK001-20015 | J | 2SC3735B35 | AF |
| Q30 | 9DK001-20015 | J | 2SC3735B35 | AF |
| Q31 | 9DK001-20015 | J | 2SC3735B35 | AF |

#### CAPACITORS

| | | | | |
|---|---|---|---|---|
| C301 | 9DK001-42069 | J | 0.1 25V Ceramic | AB |
| C302 | 9DK001-42069 | J | 0.1 25V Ceramic | AB |

#### RESISTORS

| | | | | |
|---|---|---|---|---|
| R340 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R341 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R342 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R343 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R344 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R345 | 9DK001-50062 | J | 470 1/10W Chip | AB |
| R346 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R347 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R348 | 9DK001-50082 | J | 100 1/10W Chip | AB |
| R349 | 9DK001-50111 | J | 75 1/4W Chip | AB |
| R350 | 9DK001-50111 | J | 75 1/4W Chip | AB |
| R351 | 9DK001-50111 | J | 75 1/4W Chip | AB |

## CPCi-0028CE01
### PC I/F SUB 2 UNIT

#### INTEGRATED CIRCUIT

| | | | |
|---|---|---|---|
| IC55 | RH-iX3119CEZZ | J | EPM7032LC44-7 |

#### CAPACITORS

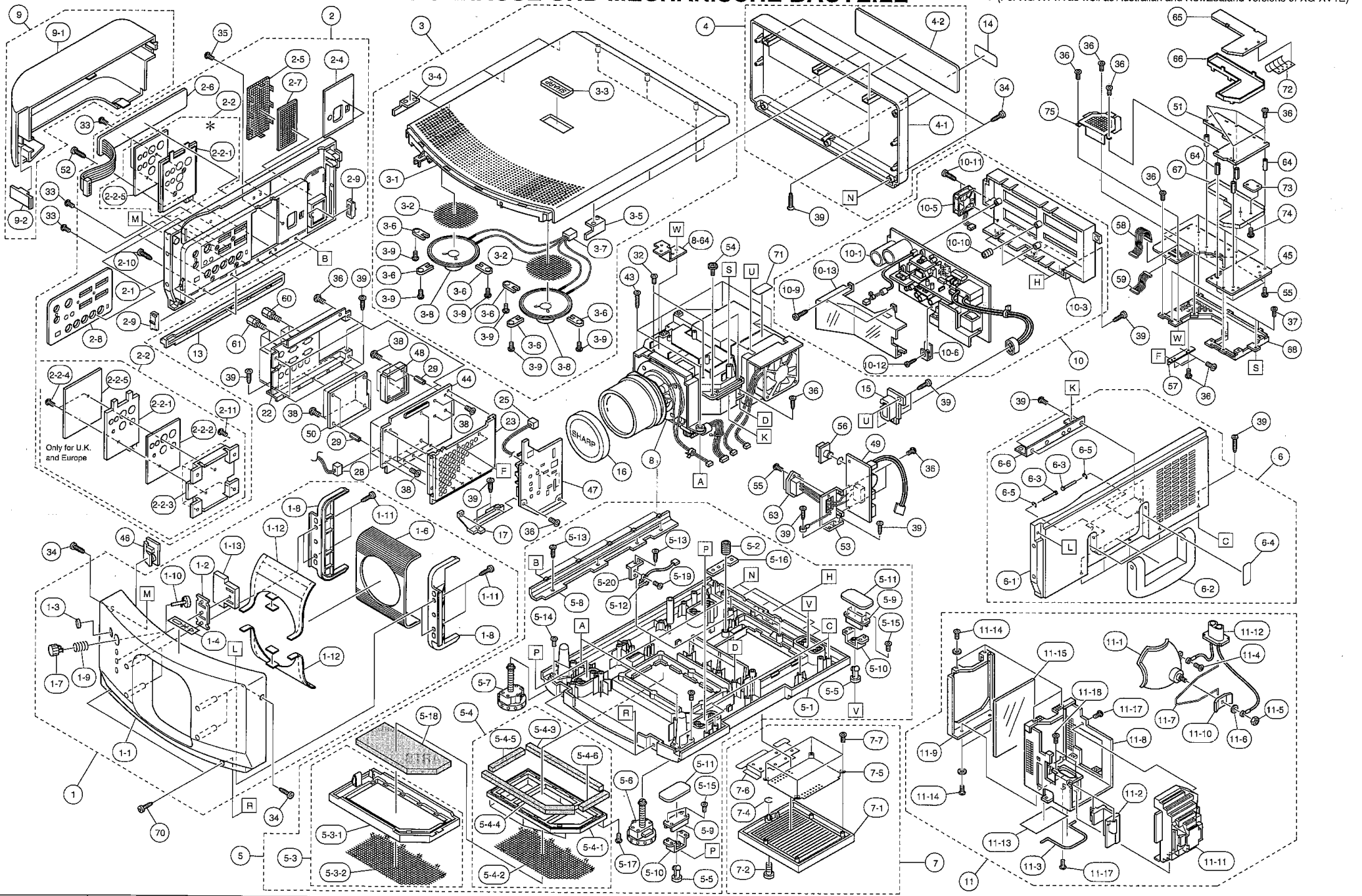
| | | | | |
|---|---|---|---|---|
| C303 | 9DK001-42069 | J | 0.1 25V Ceramic | AB |
| C304 | 9DK001-42069 | J | 0.1 25V Ceramic | AB |
| C305 | 9DK001-42069 | J | 0.1 25V Ceramic | AB |
| C306 | 9DK001-40067 | J | 10 16V Electrolytic | AF |

#### MISCELLANEOUS PARTS

| | | |
|---|---|---|
| 9DK001-60034 | Connector 8-Pin (J1) | AH |

# CABINET AND MECHANICAL PARTS / GEHÄUSE UND MECHANISCHE BAUTEILE

* (For XG-XV1A as well as Australian and NewZealand versions of XG-XV1E)



## CABINET AND MECHANICAL PARTS

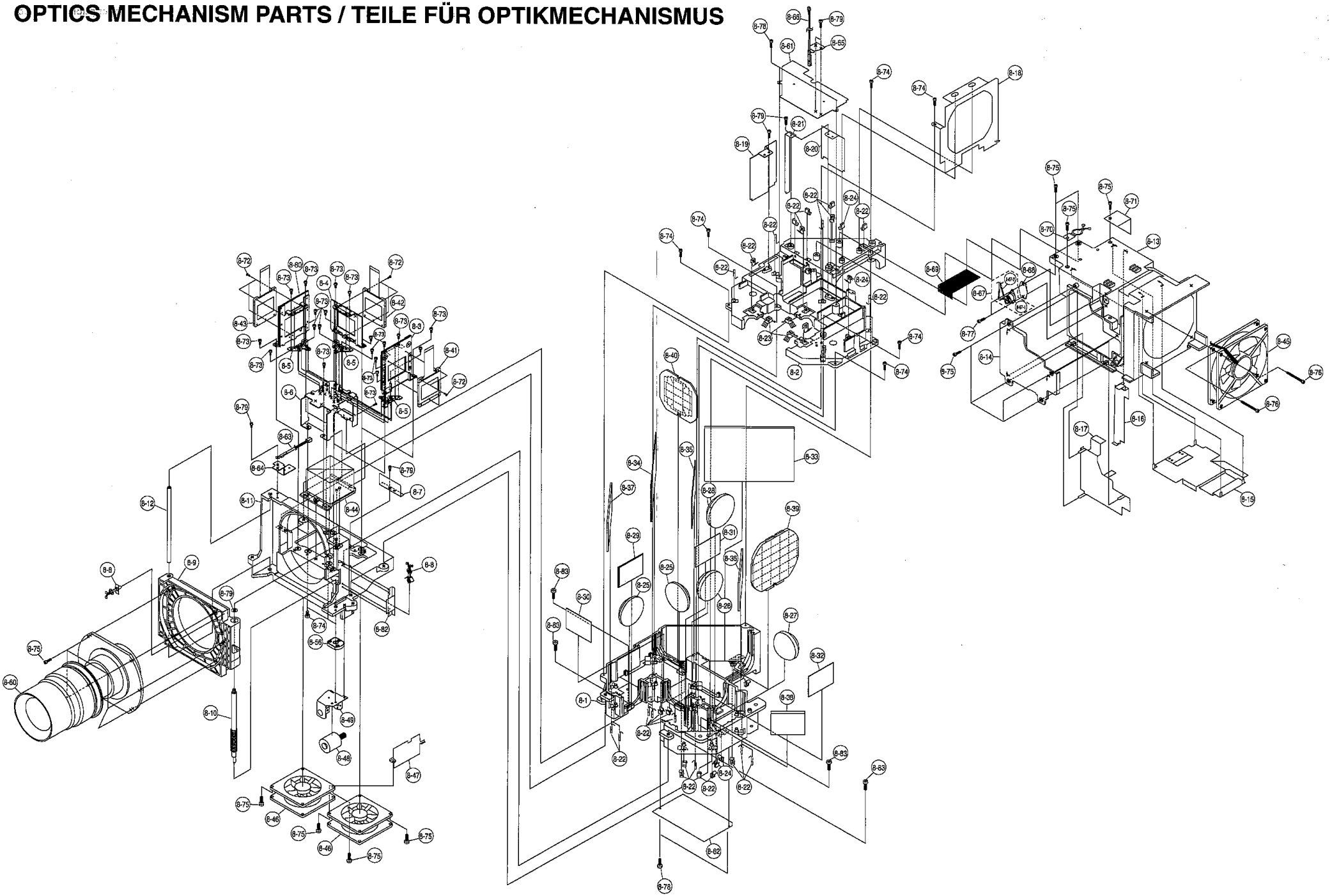
| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| 1 | DBDYF1087CE02 | J | Front Cabinet Ass'y | BK |
| 1-1 | *Not Available* | – | Front Cabinet | — |
| 1-2 | GCOVA1691CEKA | J | LED Cover | AD |
| 1-3 | GCOVA1692CEKA | J | R/C Cover | AD |
| 1-4 | HiNDP4637CESJ | J | Indicator | AD |
| 1-6 | GCOVH1303CEKA | J | Cover | AL |
| 1-7 | JBTN-1958CEKA | J | Button, Power | AD |
| 1-8 | LHLDZ2061CEKZ | J | Holder, x2 | |
| 1-9 | MSPRC0146CEFW | J | Spring, Power Button | AC |
| 1-10 | PGiDM0017CE00 | J | Guide, Button | AB |
| 1-11 | XEBSD40P12000 | J | Screw, x4 | AA |
| 1-12 | PCOVM9022CEZZ | J | Lens Shift Cover Ass'y, x2 | AG |
| 1-13 | PMLT-0308CEZZ | J | Molt | AE |
| 2 | DBDYS1079CE01 | J | Left-Side Cabinet Ass'y | BG |
| 2-1 | *Not Available* | – | Left-Side Cabinet | — |
| 2-2 | CCOVA1693CE08 | J | Video Terminal Cover Ass'y (Only for U.K. and Europe) | |
| 2-2 | CCOVA1693CE06 | J | Video Terminal Cover Ass'y (For XG-XV1A as well as Australian and NewZealand versions of XG-XV1E) | |
| 2-2-1 | *Not Available* | – | Video Terminal Cover | — |
| 2-2-2 | PSLDM4459CEFW | J | Shield | |
| 2-2-3 | PSLDM4415CEFW | J | Video Terminal Shield Holder | AH |
| 2-2-4 | LX-BZ3377CESA | J | Screw, x2 | AC |
| 2-2-5 | HiNDP4943CESA | J | Video Terminal Indication Sheet (Only for U.K. and Europe) | AG |
| 2-2-5 | HiNDP5048CESB | J | Video Terminal Indication Sheet (Only for Australia and NewZealand) | |
| 2-4 | HiNDP4974CESA | J | AC Switch Indication Plate | AF |
| 2-5 | HPNC-0421CESA | J | Side Punching Plate | AM |
| 2-6 | QSW-Z0055CEZZ | J | Membrane Switch | BC |
| 2-7 | PFiLD0061CEZZ | J | Filter | AH |
| 2-8 | HiNDP4906CESA | J | Video Terminal Indication Plate | |
| 2-9 | GCOVH1300CEKA | J | Hole Cover, x2 AD | |
| 2-10 | XBBSD30P06000 | J | Screw, x5 | AA |
| 2-11 | XBPSD20P04000 | J | Screw, x4 | AA |
| 3 | CBDYT1084CE01 | J | Top Cabinet Ass'y (XG-XV1E) | BP |
| 3 | CBDYT1084CE04 | J | Top Cabinet Ass'y (XG-XV1A) | |
| 3-1 | *Not Available* | – | Top Cabinet | — |
| 3-2 | GNETC0106CEZZ | J | Speaker Net, x2 | AD |
| 3-3 | HBDGB3107CESA | J | SHARP Badge | AL |
| 3-4 | LHLDZ2066CEKZ | J | Holder (L), x3 | AD |
| 3-5 | LHLDZ2067CEKZ | J | Holder (R), x3 | AD |
| 3-6 | LANGS0116CEFW | J | Angle, x6 | AD |
| 3-7 | QCNW-4704CEZZ | J | Connecting Wire | AK |
| 3-8 | VSP0080PBK48A | J | Speaker, x2 | AN |
| 3-9 | XEPSD30P08000 | J | Screw, x6 | AA |
| 4 | CBDYR1068CE04 | J | Rear Cabinet Ass'y (XG-XV1E) | BE |
| 4 | CBDYR1068CE09 | J | Rear Cabinet Ass'y (XG-XV1A) | |
| 4-1 | *Not Available* | – | Rear Cabinet | — |
| 4-2 | HiNDP5036CESA | J | Model Label | |
| 5 | DBDYU1075CE03 | J | Bottom Cabinet Ass'y | |
| 5-1 | *Not Available* | – | Bottom Cabinet | — |
| 5-2 | LX-NZ3102CEFW | J | Nut | AB |
| 5-3 | CCOVA1695CE02 | J | Intake Cover Ass'y | AW |
| 5-3-1 | *Not Available* | – | Intake Cover | — |
| 5-3-2 | HPNC-0419CESA | J | Intake Cover Punching | AM |
| 5-4 | CHLDT1015CE02 | J | Filter Inner Frame Ass'y | AU |
| 5-4-1 | LHLDT1015CEKA | J | Filter Inner Frame | AK |
| 5-4-2 | HPNC-0419CE00 | J | Punching Net | AM |
| 5-4-3 | PMLT-0309CEZZ | J | Spacer | AC |
| 5-4-4 | PMLT-0310CEZZ | J | Spacer | AC |
| 5-4-5 | PMLT-0311CEZZ | J | Spacer | AB |
| 5-4-6 | PMLT-0312CEZZ | J | Spacer | AC |
| 5-5 | GCOVH1302CEKA | J | Screw Cover, x2 | AD |
| 5-6 | GLEGP1017CEKB | J | Adjuster-Right | AV |
| 5-7 | GLEGP3017CEKB | J | Adjuster-Left | AV |
| 5-8 | LANGF2133CEFW | J | Fixing Angle | AK |
| 5-9 | LANGF9514CEFW | J | Fixing Angle, x4 | AD |
| 5-10 | LANGK0640CEFF | J | Fixing Angle, x4 | AH |
| 5-11 | PCOVW1044CEKZ | J | Cover, x4 | AL |
| 5-12 | QCNW-4706CEZZ | J | Connecting Wire | AN |
| 5-13 | XEBSD30P10000 | J | Screw, x6 | AA |
| 5-14 | XEBSD30P14000 | J | Screw, x6 | AA |
| 5-15 | XEBSD40P12000 | J | Screw, x13 | AA |
| 5-16 | PSLDP3041CEFW | J | Light Shielding Plate | AD |
| 5-17 | XEBSF30P10000 | J | Screw, x6 | AA |
| 5-18 | PFiLD0055CEZZ | J | Intake Air Filter | AK |
| 5-19 | XBPSD26P06000 | J | Screw | AA |
| 5-20 | LANGQ1321CEFW | J | Fixing Angle, x2 | AD |
| 6 | DBDYS1078CE01 | J | Right-Side Cabinet Ass'y | BF |
| 6-1 | *Not Available* | – | Right-Side Cabinet | — |
| 6-2 | JHNDA1028CESC | J | Carrying Handle | AP |
| 6-3 | NSFTH0014CEFW | J | Handle Shaft, x2 | AD |
| 6-4 | PSPAT0013CEZZ | J | Spacer, x2 | AC |
| 6-5 | XRESJ30-06000 | J | E-ring, x2 | AA |
| 6-6 | LANGK0641CEFW | J | Angle | AG |
| 7 | CCOVA1694CE02 | J | Lamp Cage Cover Ass'y | AR |
| 7-1 | *Not Available* | – | Lamp Cage Cover | — |
| 7-2 | LX-BZ3274CESH | J | Screw, x1 | AF |
| 7-4 | XRESJ30-06000 | J | E-ring | AA |
| 7-5 | PC0VM1015CEKZ | J | Dust Cover | AM |
| 7-6 | PSLDP3042CEFW | J | Heat Shielding Plate | AE |
| 7-7 | XEBSD30P0600 | J | Screw, x4 | AA |
| 8 | *Refer to Optics Mechanism Parts* | | | |
| 9 | DCOVA1690CE02 | J | PC/AV Terminal Cover Ass'y | AX |



## CABINET AND MECHANICAL PARTS (Continued)

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| 9-1 | *Not Available* | – | PC/AV Terminal Cover | — |
| 9-2 | LHLDZ2047CEKA | J | Holder | AE |
| 10 | CDENC0251CE01 | J | Power/Ballast Unit Ass'y | CK |
| 10-1 | *Not Available* | – | Power/Ballast Unit | — |
| 10-3 | LHLDZ2035CEKZ | J | Holder | AR |
| 10-5 | NFANR0075CEZZ | J | Cooling Fan | AT |
| 10-6 | LANGH0138CEFW | J | Fixing Angle | AD |
| 10-9 | XBSSD30P08000 | J | Screw, x2 | AA |
| 10-10 | XEBSF30P08000 | J | Screw, x2 | AA |
| 10-11 | XEPSD30P35000 | J | Screw, x2 | AB |
| 10-12 | XJBSD30P05000 | J | Screw, x1 | AA |
| 10-13 | PDUC-0067CEKZ | J | Duct | AS |
| ⚠11 | BQC-XGXV1E//1 | J | Metal-Halide Lamp Unit (Lamp/Cage Module) | |
| ⚠11-1 | CLMPF0046DE05 | J | Lamp/Mirror Ass'y | |
| 11-2 | LHLDZ2042CEKZ | J | Holder | AL |
| 11-3 | LHLDZ3053CEFW | J | Handle | AD |
| 11-4 | LX-BZ3270CEFN | J | Screw, x1 | AA |
| 11-5 | LX-NZ3108CEFN | J | Nut | AA |
| 11-6 | LX-WZ3105CEFN | J | Washer | AA |
| 11-7 | MSPRK0057CEFW | J | Spring | |
| 11-8 | PCASZ3016CEFW | J | Lamp Case-Front | |
| 11-9 | LANGG1147CEFW | J | Angle | AC |
| 11-10 | PRDAR1499CEFW | J | Heat Sink | AC |
| 11-11 | PSLDP1006CE00 | J | Lamp Case-Rear | AS |
| 11-12 | QPLGN0309FJZZ | J | Plug | AP |
| 11-13 | TLABZ0626CEZZ | J | Label | |
| 11-14 | LX-BZ3365CEFD | J | Screw, x4 | AB |
| 11-15 | RFiLW0176CEZZ | J | Glass Filter | BB |
| 11-17 | XEBSD40P10000 | J | Screw, x2 | AA |
| 11-18 | XEBSD30P08000 | J | Screw, x2 | AA |
| 13 | GCOVA1696CEKA | J | Cover | AL |
| 14 | HiNDP5038CEZZ | J | Indicator (XG-XV1E) | AD |
| 14 | HiNDP5064CEZZ | J | Indicator (XG-XV1A) | |
| 15 | LHLDZ2043CEKZ | J | Holder | AF |
| 16 | PCAPH1051CESA | J | Lens Cap | |
| 17 | LANGQ5706CEFW | J | Fixing Angle | AG |
| 22 | PSLDM4413CEFW | J | Shield for K9503DE | AP |
| 23 | PSLDM4471CEFW | J | Shield for K9503DE | |
| 25 | QCNW-4705CEZZ | J | Connecting Wire | AF |
| 28 | QCNW-4710CEZZ | J | Connecting Wire | AG |
| 29 | NSFTZ0132CEFW | J | Shaft, x8 | AC |
| 32 | LX-BZ3220CEFD | J | Screw, x2 | AA |
| 33 | LX-BZ3377CESB | J | Screw, x6 | AC |
| 34 | LX-HZ3098CESB | J | Screw, x7 | AC |
| 35 | LX-HZ3099CESB | J | Screw, x1 | AC |
| 36 | XBBSD30P06000 | J | Screw, x24 | AA |
| 37 | XBBSD30P08000 | J | Screw, x3 | AA |
| 38 | XBPSD20P04000 | J | Screw, x16 | AA |
| 39 | XEBSD40P12000 | J | Screw, x18 | AA |
| 43 | XTBSD40P30000 | J | Screw, x5 | AA |
| 44 | *Not Available* | – | Signal Unit | — |
| 45 | *Not Available* | – | Output Unit | — |
| 46 | *Not Available* | – | Infrared R/C Receiver Unit | — |
| 47 | *Not Available* | – | LED Unit | — |
| 48 | *Not Available* | – | Video Board Unit (Only for Australia and NewZealand) | — |
| 49 | *Not Available* | – | AC Inlet/Main Power Switch Unit | — |
| 50 | *Not Available* | – | PC Terminal Unit | — |
| 51 | *Not Available* | – | PC I/F Unit | — |
| 52 | XBBSD30P08KS0 | J | Screw, x1 | AA |
| 53 | LANGQ1323CEFW | J | Angle | AH |
| 54 | XBPSD40P12JS0 | J | Screw, x2 | AA |
| 55 | XBSSD30P08000 | J | Screw, x7 | AA |
| 56 | JKNBP1065CESB | J | Power Button | AC |
| 57 | LANGK0653CEFW | J | Angle | AE |
| 58 | QCNW-4711CEZZ | J | Connecting Wire | AK |
| 59 | QCNW-4712CEZZ | J | Connecting Wire | AK |
| 60 | NSFTZ0134CEFW | J | Shaft, x4 | AD |
| 61 | NSFTZ0135CEFW | J | Shaft, x4 | AD |
| 63 | *Not Available* | – | AC Inlet | — |
| 64 | NSFTZ0136CEFW | J | Shaft, x5 | AD |
| 65 | PSLDM4452CEFW | J | Shield | |
| 66 | PSLDM4453CEFW | J | Shield | |
| 67 | PSLDM4454CEFW | J | Shield | |
| 68 | PSLDM4457CEFW | J | Shield | AR |
| 70 | LX-HZ3101CESB | J | Screw, x2 | |
| 71 | TLABZ0593CEZZ | J | Label | AC |
| 72 | PRDAR7002CEFW | J | Heat Sink | |
| 73 | PRDAR1535CEFW | J | Heat Sink | |
| 73 | XBPSD40P05J00 | J | Screw, x2 | |
| 75 | CFiLD0063CE01 | J | Shield | |

# OPTICS MECHANISM PARTS / TEILE FÜR OPTIKMECHANISMUS



# OPTICS MECHANISM PARTS

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|
| 8 | CCHSK0060CEK1 | J | Optics Mecha Ass'y | HE |
| 8-1 | LCHSK0065CEKZ | J | Optics Mecha Base | BF |
| 8-2 | LCHSK0066CEKZ | J | Optics Mecha Cover | BF |
| 8-3 | CCHSK0061CE01 | J | B Adjusting Plate | |
| 8-4 | LANGT2105CEFW | J | G Adjusting Plate | AL |
| 8-5 | LANGG1158CEFW | J | Slide Plate, x3 | AF |
| 8-6 | LANGG1157CEFW | J | Guide Plate | AT |
| 8-7 | LANGG1143CEFW | J | Flap | AG |
| 8-8 | LHLDW1087CEZZ | J | Wire Holder | AB |
| 8-9 | LHLDZ2068CEKZ | J | Holder, for Projection Lens | BC |
| 8-10 | NSFTT0052CEFW | J | Shift Screw | BA |
| 8-11 | LHLDZ9131CEZZ | J | Holder, for Prizm | BQ |
| 8-12 | NSFTT0053CEFW | J | Guide B | AW |
| 8-13 | PCOVZ1075CEKZ | J | Duct Holder | BD |
| 8-14 | PCOVZ1076CEKZ | J | Duct Holder (Left) | AS |
| 8-15 | PSLDP3043CEFW | J | Heat Shielding Plate-A | AR |
| 8-16 | PSLDP3045CEFW | J | Heat Shielding Plate-C | AH |
| 8-17 | PSLDP3044CEFW | J | Heat Shielding Plate-B | AM |
| 8-18 | PSLDP3040CEFW | J | Light Shielding Plate-D | AU |
| 8-19 | PSLDP3024CEFW | J | Light Shielding Plate-A | AP |
| 8-20 | PSLDP3035CEFW | J | Light Shielding Plate-B | AL |
| 8-21 | PSLDP3046CEFW | J | Light Shielding Plate-C | AF |
| 8-22 | MSPRP1181CEFW | J | Mirror Fitting Spring, x27 | AD |
| 8-23 | MSPRP1182CEFW | J | Polarizing Plate Fitting Spring, x3 | AE |
| 8-24 | MSPRP1183CEFW | J | Lens Fitting Spring, x4 | AD |
| 8-25 | PLNS-0113CEZZ | J | Condenser Lens-R/G, x2 | BC |
| 8-26 | PLNS-0139CEZZ | J | Condenser Lens-B | AZ |
| 8-27 | PLNS-0137CEZZ | J | Relay-Lens (Small) | AY |
| 8-28 | PLNS-0117CEZZ | J | Relay-Lens (Large) | AZ |
| 8-29 | PFiLW0158CEZZ | J | Polarizer Input Filter-R | BB |
| 8-30 | PFiLW0193CEZZ | J | Polarizer Input Filter-G | BB |
| 8-31 | PFiLW0192CEZZ | J | Polarizer Input Filter-B | BD |
| 8-32 | PFiLW0169CEZZ | J | Pre-Polarizing Plate | BF |
| 8-33 | PMiR-0168CEZZ | J | Mirror-1 (AL-Coated) | AS |
| 8-34 | PMiR-0166CEZZ | J | Mirror-2 (B/G-Reflector) | BE |
| 8-35 | PMiR-0205CEZZ | J | Mirror-3 (G-Reflector) | BC |
| 8-36 | PMiR-0169CEZZ | J | Mirror-4 (AL-Coated) | AM |
| 8-37 | PMiR-0208CEZZ | J | Mirror-5 (R-Reflector) | BA |
| 8-38 | PMiR-0177CEZZ | J | Mirror-6 (B-Reflector) | BA |
| 8-39 | PLNS-0134CEZZ | J | Flyeye Lens (Incoming Light) | BW |
| 8-40 | PLNS-0135CEZZ | J | Flyeye Lens (Outgoing-Light) | BT |
| 8-41 | RLCDP0046CEZZ | J | LCD Module Unit, Red | DU |
| 8-42 | RLCDP0047CEZZ | J | LCD Module Unit, Green | DU |
| 8-43 | RLCDP0048CEZZ | J | LCD Module Unit, Blue | DU |
| 8-44 | PMiR-0192CEZZ | J | Cross Prizm (with Base) | CP |
| 8-45 | NFANR0078CEZZ | J | Cooling Fan (Exhaust) | BC |
| 8-46 | NFANR0076CE00 | J | Cooling Fan (Intake), x2 | AT |
| 8-47 | LANGG1152CEFW | J | Plate, for Fan | AH |
| 8-48 | RMOTM1004CEZZ | J | Motor | AE |
| 8-49 | LANGU9007CEFW | J | Angle, for motor | AL |
| 8-56 | NBRGP0004CEZZ | J | Shift Screw Holder | AF |
| 8-60 | CLNS-0133CEZZ | J | Projection Lens | CU |
| 8-61 | PCOVN3002CEFW | J | Cover, Top | AL |
| 8-62 | PCOVN9004CE00 | J | Cover, Bottom | AL |
| 8-63 | RH-HZ0051CEZZ | J | Thermistor | AN |
| 8-64 | LANGT3262CEFW | J | Angle, for PWB | AH |
| 8-65 | LANGK0660CEFW | J | Angle, for Thermistor | AG |
| 8-66 | RH-HZ0048CEZZ | J | Temp, Sensor | AN |
| ⚠ 8-67 | CBiM-0001CE25 | J | Bimetal Ass'y | AS |
| ⚠ 8-67-1 | RBiM-0001CEZZ | J | Bimetal | AN |
| 8-67-2 | QCNW-4714CEZZ | J | Connecting Wire | AH |
| 8-68 | PSPAZ0192CEKZ | J | Spacer, for Bimetal | AF |
| 8-69 | HPNC-0425CE00 | J | Punching Net | AL |
| 8-70 | LHLDW1046CEZZ | J | Wire Holder | AA |
| 8-71 | PZETK0051CEZZ | J | Insulation Sheet | AG |
| 8-72 | XSSSF20P05000 | J | Screw M2-5, x9 | AA |
| 8-73 | LX-BZ3382CEFD | J | Screw M2.6-5, x18 | AB |
| 8-74 | LX-BZ3049GEFD | J | Screw M3-10, x9 | AA |
| 8-75 | XBPSD40P12JS0 | J | Screw M4-12, x12 | AA |
| 8-76 | XWPSF40P35000 | J | Screw M4-35, x2 | AD |
| 8-77 | XEPSD30P12000 | J | Screw M3-12, x2 | |
| 8-78 | XEPSD30P06000 | J | Screw M3-6, x2 | AA |
| 8-79 | LX-BZ3266CEFD | J | Screw M3-6, x8 | AA |
| 8-80 | CCHSK0061CE02 | J | R Adjusting Plate | |
| 8-82 | PCOVP1069CEZZ | J | Switch Cover | AG |
| 8-83 | XBBSD40P12000 | J | Screw M14-12, x4 | AB |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

# SUPPLIED ACCESSORIES

## ACCESSORIES

| | | | | |
|---|---|---|---|---|
| ⚠ | QACCV4002CEZZ | J | AC Cord (XG-XV1E) | AZ |
| ⚠ | QACCZ3030CESA | J | AC Cord (XG-XV1A) | |
| | QCNW-4620CEZZ | J | Mouse Control Cable | BC |
| | QCNW-4754CEZZ | J | Mouse Control Cable for IBM | AW |
| | QCNW-4910CEZZ | J | RGB Signal Cable | |
| | QCNW-4755CEZZ | J | Mouse Control Cable for Mac. | AX |
| | HiNDP4946CESA | J | Indicator | AE |
| | QPLGJ0107GEZZ | J | Plug | AR |
| | QPLGJ1512CEZZ | J | Mac/VGA Adaptor | AY |
| | RRMCG1393CESA | J | Remote Control Unit | |
| | TiNS-6272CEZZ | J | Operation Manual (Only for U.K and Europe) | BV |
| | TiNS-6273CEZZ | J | Operation Manual (Only for Australia and NewZealand) | |
| | TiNS-6313CEZZ | J | Operation Manual (XG-XV1A) | |

## ACCESSORIES (NOT REPLACEMENT ITEM)

| | | | |
|---|---|---|---|
| TCADZ3093CEZZ | – | Register Card | — |
| UBATU0025GEZZ | – | Four AA Type Dry Batteries | — |

| Ref. No. | Part No. | ★ | Description | Code |
|---|---|---|---|---|

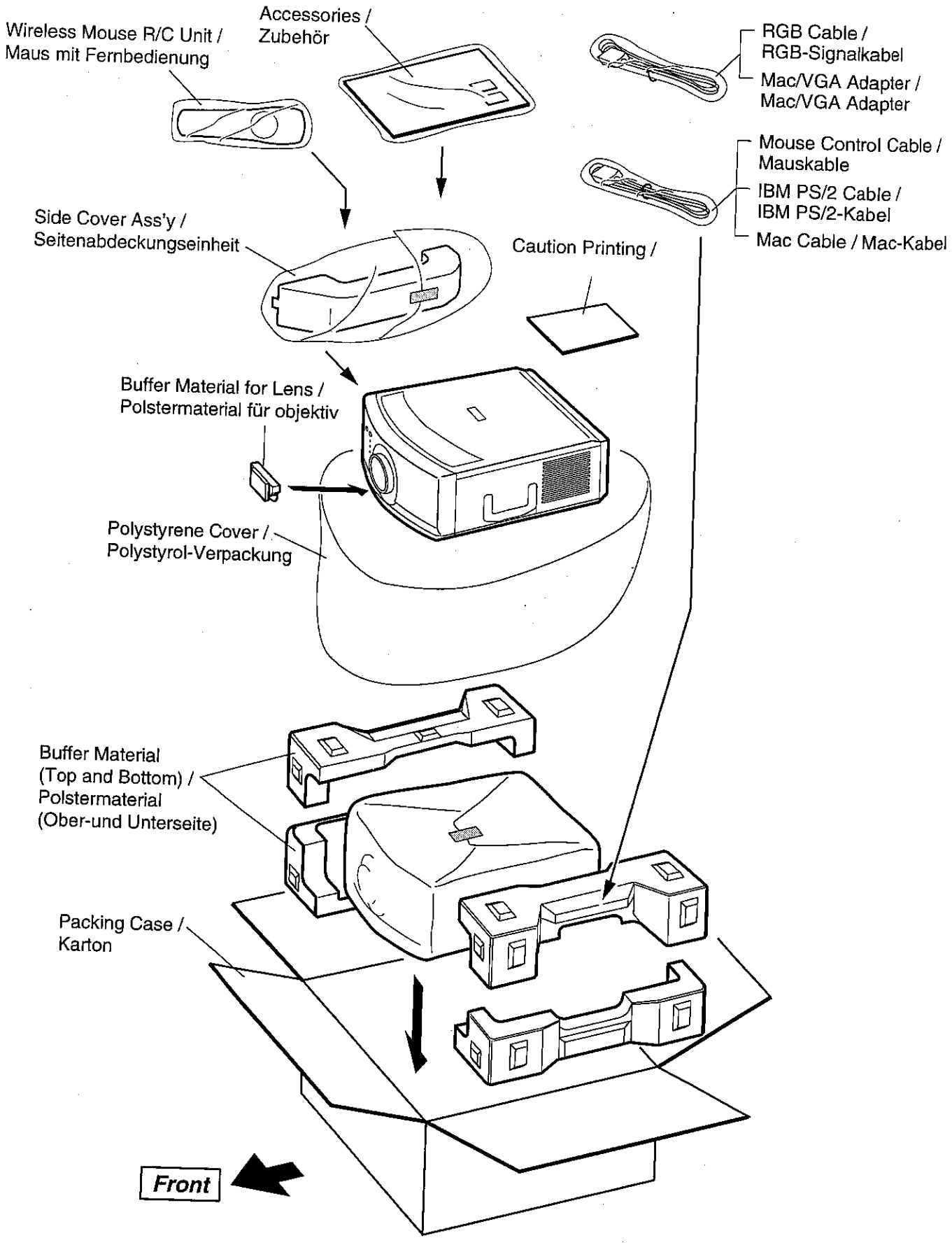
# PACKING PARTS
## (NOT REPLACEMENT ITEM)

| | | | |
|---|---|---|---|
| SPAKC5156CEZZ | – | Packing Case (XG-XV1E) | — |
| SPAKC5217CEZZ | – | Packing Case (XG-XV1A) | — |
| SPAKP0604CEZZ | – | Polystyrene Cover | — |
| SPAKX2818CEZZ | – | Buffer Material (Top and Bottom) | — |
| SSAKA0263CEZZ | – | Polyethylene Bag for Operation Manual and Cards | — |
| TLABK0001TAZZ | – | Number Card | — |
| TLABN0157CEZZ | – | Serial Number Label | — |
| SPAKX2838CEZZ | – | Buffer Material for Lens (XG-XV1E) | — |
| SPAKX2837CEZZ | – | Buffer Material for Lens (XG-XV1A) | — |

# SERVICE JIGS
## (Use for servicing)

| | | | |
|---|---|---|---|
| 9DASPN-XGNV1U | J | Spanna, 3.2mm (Off-set Cam Adjustment) | BL |
| 9EQDRiVER-NV1A | J | Off-set Driver (Focus Adjustment) | CA |
| 9EQDRiVER-NV1B | J | Screwdiver, (–) (Focus Adjustment) | BL |
| 9EQLNC-XGNV1U | J | Hexagon Wrench, 2mm (Convergence Adjustment) | BA |
| QCNW-4767CEZZ | J | Extension Cable 30-pin Signal (TN)— PC Terminal (TN), Signal (VS)— Video Board (VS), | BT |

# PACKING OF THE SET
# VERPACKEN DES GERÄTS



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